Simply Responsive CSS3

Denise R. Jacobs //

ParisWeb// le 15 October 2011 //

Simple & Responsive Tweets

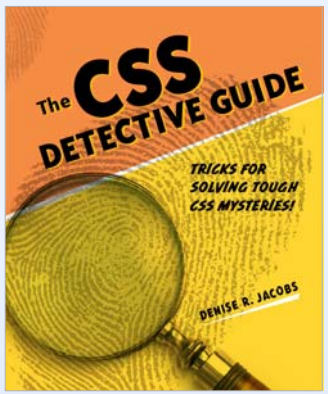
Who I am:
@denisejacobs

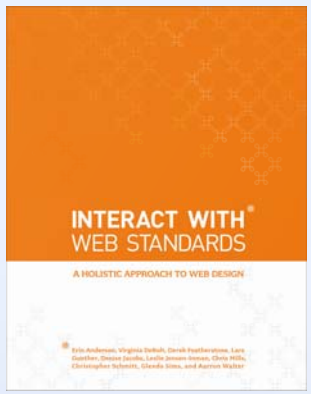
This fine event:
@parisweb #parisweb

I'm talking about:
#css3sr

A little about me

Denise R. Jacobs is an author, speaker, design thinker, and educator. She is the author of The CSS Detective Guide, and is a co-author for InterAct with Web Standards: A Holistic Approach to Web Design. She is a Consultant Web Design Trainer and Creativity Evangelist based in Miami, Florida.





CSSDetectiveGuide.com & InterActWithWebStandards.com

Simple?

Responsive?

The goal

How???

Start here...

1. Know Your CSS3
   - Getting started
     - What's new
     - Rules of the road
     - Helping tools and scripts
   - Properties
     - Standard effects
     - Advanced effects
   - Selectors

...Continue here

2. Get Responsive
   - Shift your brain
     - Mobile first
     - Watch out
   - 3 components
     - Flexible grid
     - Flexible images
     - Media queries

...And end here!

2. Becoming Responsive (cont'd)
    - 4 Steps
        - Plan your design
        - Crunch the numbers
        - Determine the breaking points
        - Add media queries

3. Resources

What's New in CSS3

What's New in CSS3?

CSS3 is the third generation of the CSS specification recommendations from the W3C.

In CSS3 there are new selectors, pseudo-elements and classes, properties, and values specifically created to answer the needs and solve the problems of modern web design and development.

CSS3 Modularity

CSS3 has been broken up into different unique modules. This means is that, for example, the particular CSS properties and values for layout is grouped into one specific module.

CSS3 Modularity: Benefits

- Browser producers can now implement CSS3 module by module
- Speeds up the browser implementation process
- Encourages innovation

The CSS3 Modules

- Template Layout
- Backgrounds and Borders
- Ruby
- Basic User Interface
- Basic Box Model
- Grid Positioning
- Speech
- Marquee
- Style Attribute Syntax
- Cascading and Inheritance
- Color
- Fonts
- Text
- Generated Content for Paged Media
- Generated and Replaced Content
- Values and Units
- Web Fonts
- Behavioral Extensions to CSS
- Line Layout
- Flexible Box Layout
- Image Values
- 2D Transformations
- Multi-column Layout
- 3D Transformations
- Namespaces
- Transitions
- Animations
- View Module
- Media Queries
- Paged Media
- Selectors

Resources: New in CSS3

http://www.w3.org/TR/tr-groups-all#tr_Cascading_Style_Sheets__CSS__Working_Group

Colors in CSS3: RGB

- Regular RGB
  rgb(x, x, x):
  ex. `rgb(255, 0, 0)`

- RBG with alpha-opacity
  rgba(x, x, x, y):
  An RGB value
  ex. `rgba(255, 0, 0, 0.2)`

RGBA Color

Alpha opacity:

0.0 = 0% = no opacity

1.0 = 100% = full opacity

Colors in CSS3: HSL

HSL stands for hue, saturation, and luminosity (lightness)

- Regular HSL
  hsl(x%, x%, x%):
  ex. `hsl(0, 100%, 50%)`

- HSL with alpha-opacity
  hsla(x%, x%, x%, y):
  ex. `hsla(0, 100%, 50%, 0.5)`

HSL Color Wheel

0° – Red

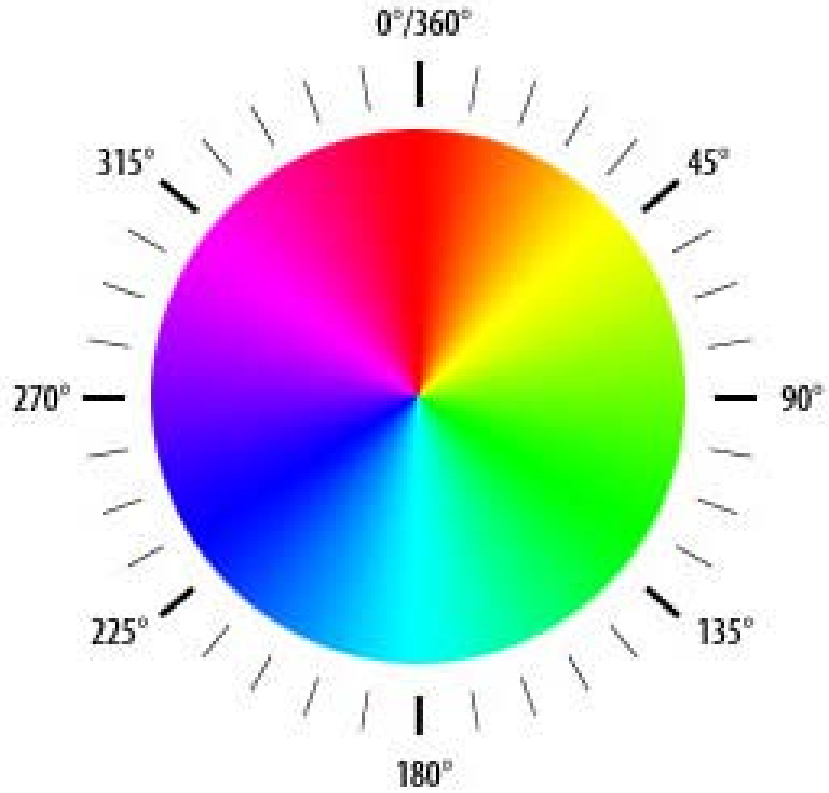
60° – Yellow

120° – Green

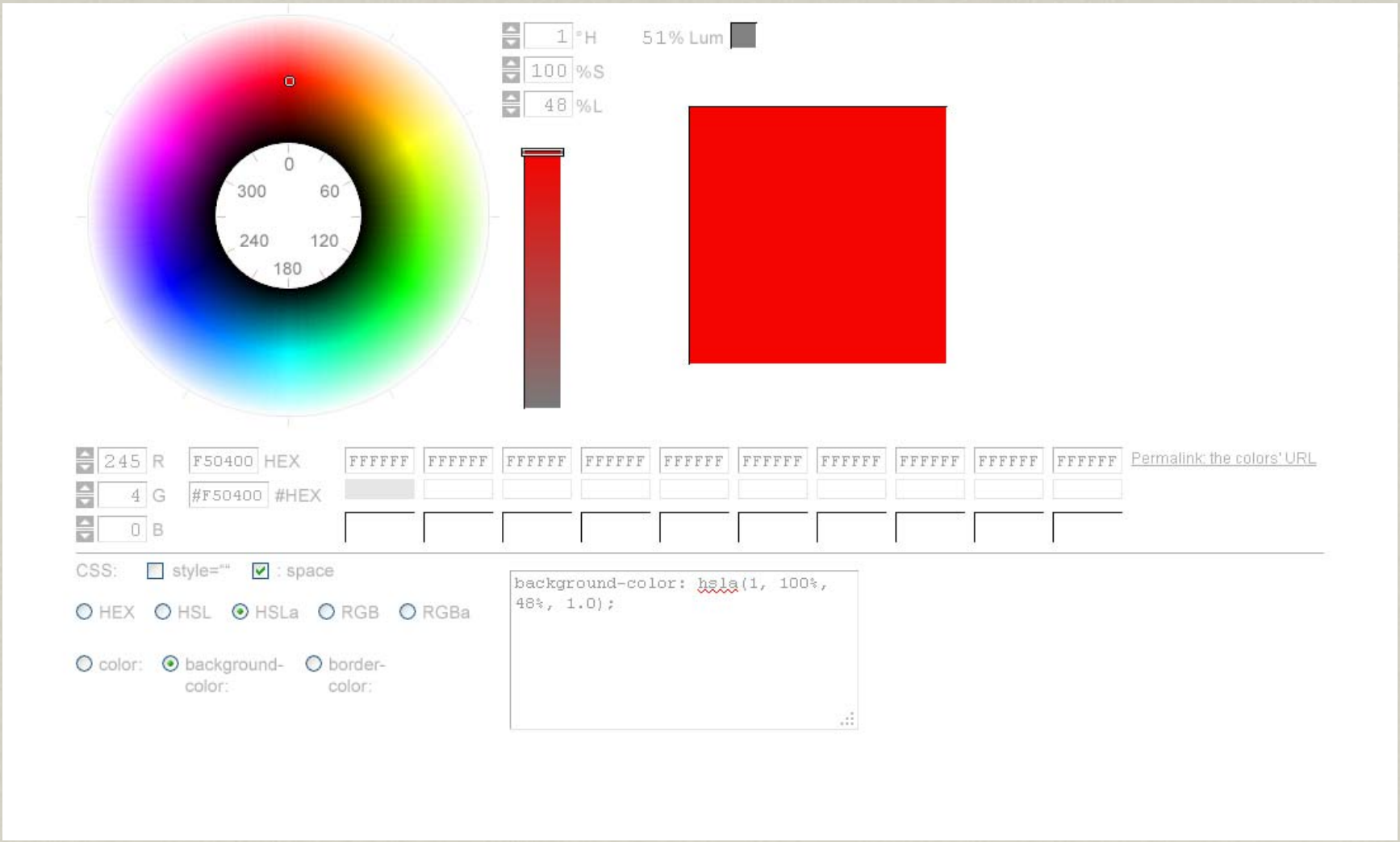
180° – Cyan

240° – Blue

300° – Magenta



HSL Color Picker Tool



http://www.workwithcolor.com/hsl-color-picker-01.htm

Getting Started with CSS3: The Rules of the Road

http://www.flickr.com/photos/ilike/3707503212/

CSS3 Browser Compatibility

http://www.flickr.com/photos/sfllaw/222795669/

The Scoop

- Many properties are browser-specific, requiring vendor prefixes
- Plus there is a standard property
- There are syntax differences between browser-specific properties and the standard property
- All of this causes an increase in the amount of CSS

Code bloat in action

Ideally:

```
a.polaroid:active {
z-index: 999;
border-color: #6A6A6A;
box-shadow: 15px 15px 20px
   rgba(0,0, 0, 0.4);
transform: rotate(0deg)
   scale(1.05);
}
```

Reality:

```
a.polaroid:active {
z-index: 999;
border-color: #6A6A6A;
-webkit-box-shadow: 15px
   15px 20px rgba(0,0, 0,
   0.4);
-moz-box-shadow: 15px 15px
   20px rgba(0,0, 0, 0.4);
box-shadow: 15px 15px 20px
   rgba(0,0, 0, 0.4);
-webkit-transform:
   rotate(0deg)
   scale(1.05);
-moz-transform:
   rotate(0deg)
   scale(1.05);
transform: rotate(0deg)
   scale(1.05);
}
```

Doesn't Validate

The W3C CSS Validation Service

W3C CSS Validator results for TextArea (CSS level 3)

Jump to: Errors (7) Warnings (1) Validated CSS

W3C CSS Validator results for TextArea (CSS level 3)

Sorry! We found the following errors (7)

URI : TextArea

45	div, h1, h2, img, a	Property behavior doesn't exist : url(iepngfix.htc) url(iepngfix.htc)
291	#contentcolumn	Property -moz-border-radius doesn't exist : 20px 20px 0 0 20px 20px 0 0
292	#contentcolumn	Property -webkit-border-top-left-radius doesn't exist : 20px 20px
293	#contentcolumn	Property -webkit-border-top-right-radius doesn't exist : 20px 20px
294	#contentcolumn	Property -moz-box-shadow doesn't exist : 0 5px 20px rgba(0,0,0,0.6) 0 5px 20px rgba(0,0,0,0.6)
295	#contentcolumn	Property -webkit-box-shadow doesn't exist : 0 5px 20px rgba(0,0,0,0.6) 0 5px 20px rgba(0,0,0,0.6)
296	#contentcolumn	0 is not a box-shadow value : 0 5px 20px rgba(0,0,0,0.6) 0 5px 20px rgba(0,0,0,0.6)

None of the older IEs support CSS3

…as in “not any.”

http://www.flickr.com/photos/johnsnape/4258191545/

IE9 now supports CSS3

...But still not as fully as the other browsers yet.

Resources: IE9 CSS3 support

http://msdn.microsoft.com/en-us/ie/ff468705.aspx#_Web_standards_support

http://msdn.microsoft.com/en-us/library/cc351024%28v=vs.85%29.aspx

http://www.impressivewebs.com/css3-support-ie9/

Tools you'll need:

1. CSS3 Property browser support charts
2. CSS3 Selector browser support charts
3. CSS3 Specifications
4. All browsers to test in and/or cross-browser testers

CSS3 Property browser support charts

http://www.findmebyip.com/litmus

CSS3 Selector browser support charts

http://www.standardista.com/css3/css3-selector-browser-support

The CSS3 Specifications

The CSS3 Specifications are THE resource for finding out exactly is the intented behavior and use of any given property.

http://www.w3.org/standards/techs/css#w3c_all

Cross-browser testers

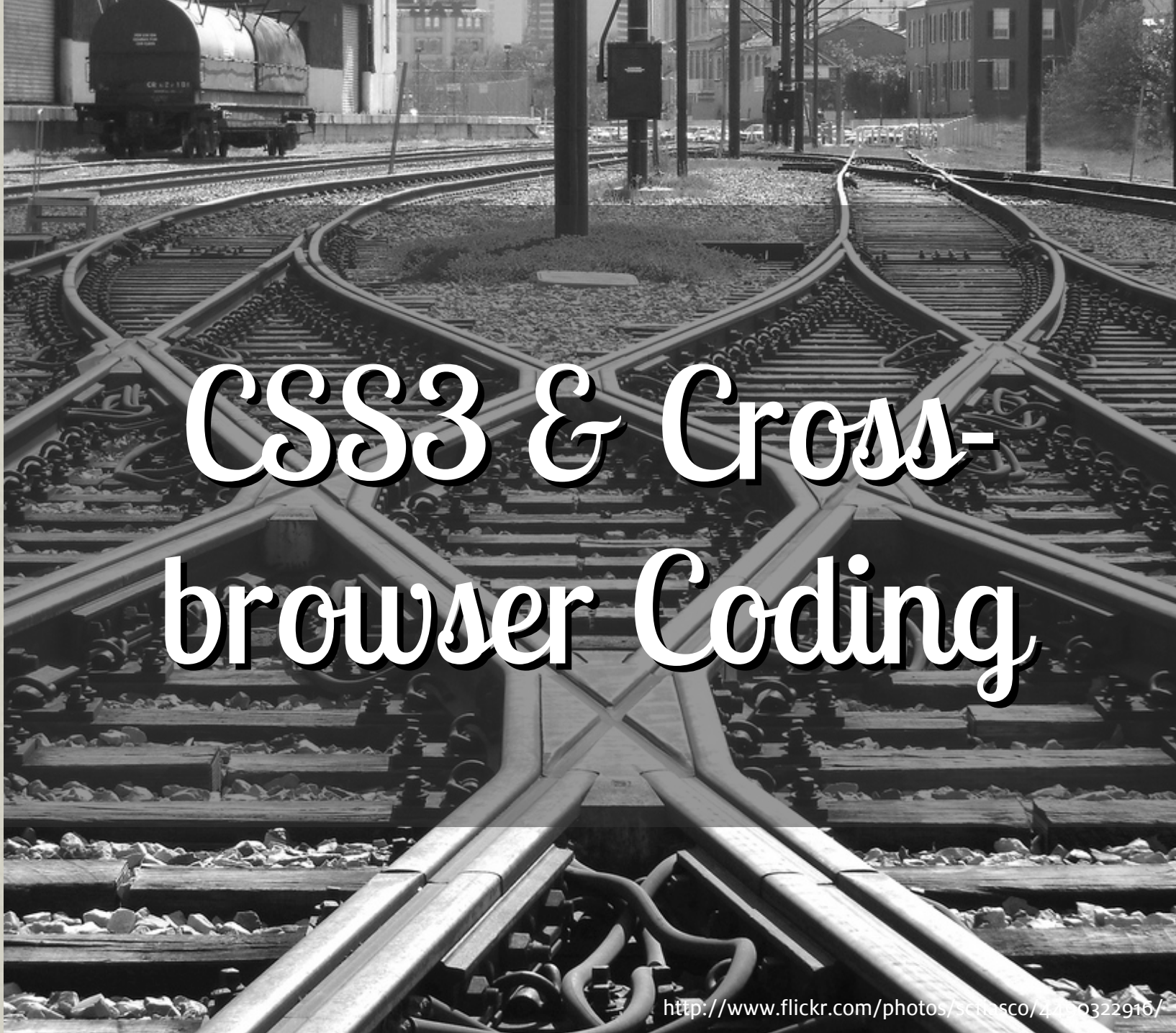
http://tredosoft.com/Multiple_IE

http://crossbrowsertesting.com/

(paid)

http://browsershots.org/

(free)



CSS3 & Cross-browser Coding

The Goal: Code that works ~~in all~~ most browsers

Not all browsers are created equal

How can we achieve compatibility?

http://www.flickr.com/photos/barretthall/205175534/

Steps to get as close as possible

1. Leverage source order
2. Filter it
3. Let tools do all of the work

Leverage source order

- Place default properties first
- Place browser-specific properties ahead of standard properties
- The standard properties will override the vendor's when the standard is established.

A Proper Stack

```
.gradient {
color: #fff;
```

A Proper Stack

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0
  x-repeat; /*fallback background color & image*/
```

A Proper Stack

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0
  x-repeat; /*fallback background color & image*/
background-image: -moz-linear-gradient(top,
  #07407c, #aaaaaa); /* gradient for Mozilla */
```

A Proper Stack

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0
  x-repeat; /*fallback background color & image*/
background-image: -moz-linear-gradient(top,
  #07407c, #aaaaaa); /* gradient for Mozilla */
background-image: -webkit-gradient(linear,left
  top,left bottom,color-stop(0, #07407c),color-
  stop(1, #aaaaaa)); /* gradient for the Webkits
  */
```

A Proper Stack

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0
  x-repeat; /*fallback background color & image*/
background-image: -moz-linear-gradient(top,
  #07407c, #aaaaaa); /* gradient for Mozilla */
background-image: -webkit-gradient(linear,left
  top,left bottom,color-stop(0, #07407c),color-
  stop(1, #aaaaaa)); /* gradient for the Webkits
  */
-ms-filter:
  "progid:DXImageTransform.Microsoft.gradient(sta
  rtColorStr='#07407c', EndColorStr='#aaaaaa')";
  /* filter for IE8 (& IE9) */
```

A Proper Stack

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0
  x-repeat; /*fallback background color & image*/
background-image: -moz-linear-gradient(top,
  #07407c, #aaaaaa); /* gradient for Mozilla */
background-image: -webkit-gradient(linear,left
  top,left bottom,color-stop(0, #07407c),color-
  stop(1, #aaaaaa)); /* gradient for the Webkits
  */
-ms-filter:
  "progid:DXImageTransform.Microsoft.gradient(sta
  rtColorStr='#07407c', EndColorStr='#aaaaaa')";
  /* filter for IE8 (& IE9) */
filter:
  progid:DXImageTransform.Microsoft.gradient(star
  tColorStr='#07407c', EndColorStr='#aaaaaa');
} /* filter for IE7 and lower */
```

Apply a Filter

- If you *must* have the effect in IE lt 8, such as alpha opacity, gradient, shadow, transitions etc. you could use a proprietary IE filter.

- The `-ms-filter` attribute is an extension to CSS. This syntax will allow other CSS parsers to skip the value of this unknown property completely and safely. It also avoids future name clashes with other CSS parsers.

- In IE 8 mode, filters must be prefixed with "-ms-" and the PROGID must be in single or double quotes to make sure IE 8 renders the filters properly.

Filters: {Caveat Coder}

- IE filters work, but are essentially hacks
  - IE filters are proprietary and thus not part of any standard specification, and never will be

Resources: IE Filters

Microsoft Visual Filters and Transitions Reference

http://msdn.microsoft.com/en-us/library/ms532853%28v=VS.85%29.aspx

Let the tools do the work

- We'll talk about those next!

CSS3 Tools

http://www.flickr.com/photos/johnsnape/4258191545/

Useful CSS3 Tools

1. CSS3 Generators
2. Helper Scripts
3. Browser Feature Detection
4. Templates

CSS3 Generators

http://www.flickr.com/photos/latca/841730130/

CSS3Please.com

```
/* ------------------------------------------------------------
      CSS3, Please! The Cross-Browser CSS3 Rule Generator
      ===================================================

      You can edit the underlined values in this css file,
      but don't worry about making sure the corresponding
      values match, that's all done automagically for you.

      Whenever you want, you can copy the whole or part of
      this page and paste it into your own stylesheet.
------------------------------------------------------------ */

/*                          [to clipboard] [toggle rule off] */
.box_round {
     -moz-border-radius: 12px; /* FF1+ */
  -webkit-border-radius: 12px; /* Saf3-4 */
          border-radius: 12px; /* Opera 10.5, IE 9, Saf5, Chrome */
}


/*                          [to clipboard] [toggle rule off] */
.box_shadow {
     -moz-box-shadow: 0px 0px 4px #ffffff; /* FF3.5+ */
  -webkit-box-shadow: 0px 0px 4px #ffffff; /* Saf3.0+, Chrome */
          box-shadow: 0px 0px 4px #ffffff; /* Opera 10.5, IE 9 */
}


/*                          [to clipboard] [toggle rule off] */
.box_gradient {
  background-color: #444444;
  background-image: -moz-linear-gradient(top, #444444, #999999); /* FF3.6 */
```

CSS3, please!

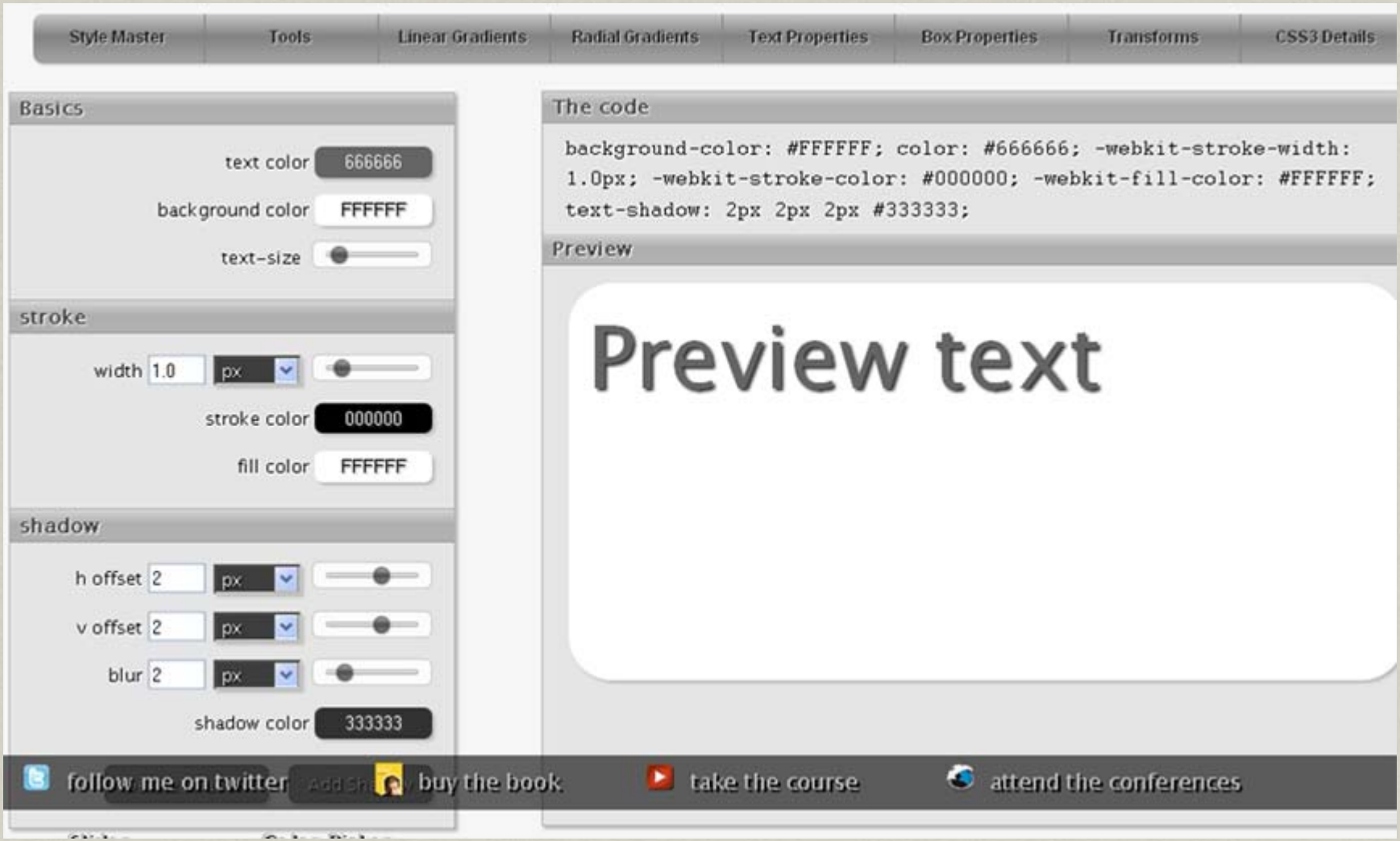
This element will receive inline changes as you edit the CSS rules on the left. Enjoy!

/* [toggle styling] */

CSS3Generator.com

CSS3Maker.com

CSS3 Tools at WestCiv



http://westciv.com/tools/

More CSS3 Generators

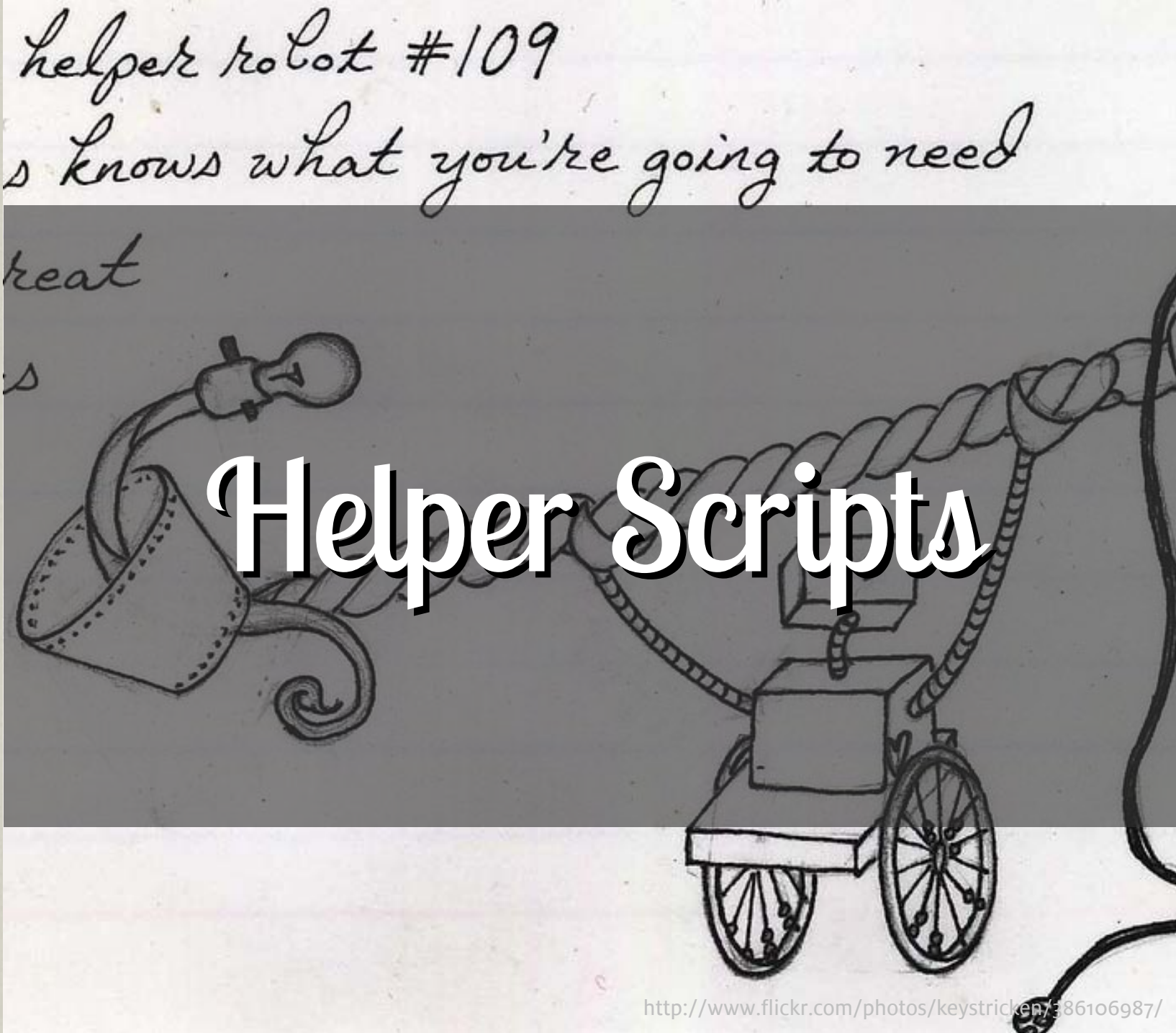
http://border-radius.com

http://www.colorzilla.com/
gradient-editor/

http://csscorners.com

http://border-image.com

Helper Scripts

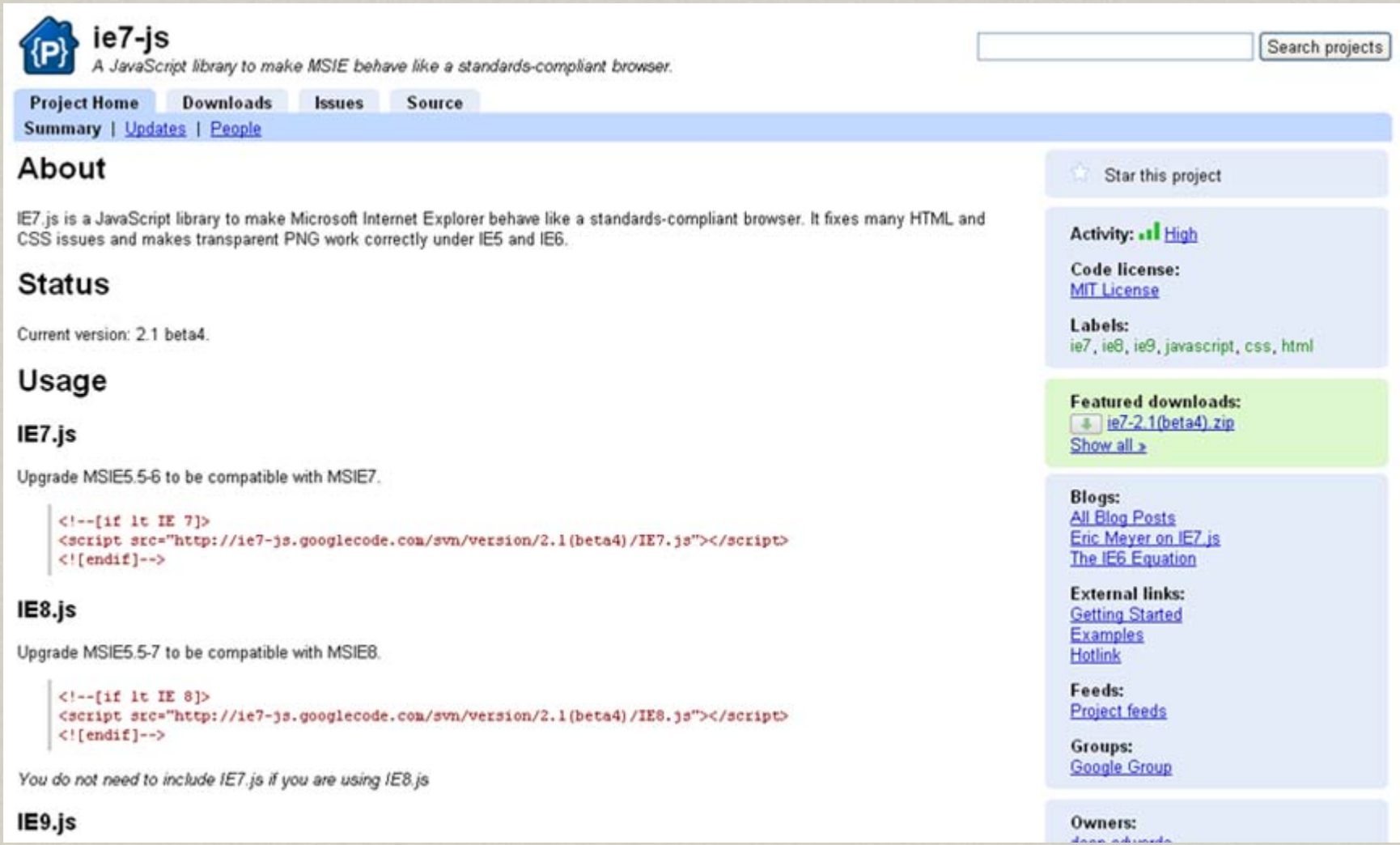


http://www.flickr.com/photos/keystricken/386106987/

Get a helping hand...

These scripts help IE lt 8 behave like CSS3-compliant browsers. However, support of CSS3 properties varies between scripts.

ie-7.js (includes IE8 and IE9)



ie7-js

A JavaScript library to make MSIE behave like a standards-compliant browser.

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Project Home | Downloads | Issues | Source

Summary | Updates | People

About

IE7.js is a JavaScript library to make Microsoft Internet Explorer behave like a standards-compliant browser. It fixes many HTML and CSS issues and makes transparent PNG work correctly under IE5 and IE6.

Status

Current version: 2.1 beta4.

Usage

IE7.js

Upgrade MSIE5.5-6 to be compatible with MSIE7.

```
<!--[if lt IE 7]>
<script src="http://ie7-js.googlecode.com/svn/version/2.1(beta4)/IE7.js"></script>
<![endif]-->
```

IE8.js

Upgrade MSIE5.5-7 to be compatible with MSIE8.

```
<!--[if lt IE 8]>
<script src="http://ie7-js.googlecode.com/svn/version/2.1(beta4)/IE8.js"></script>
<![endif]-->
```

You do not need to include IE7.js if you are using IE8.js

IE9.js

Star this project

Activity: High

Code license: MIT License

Labels: ie7, ie8, ie9, javascript, css, html

Featured downloads: ie7-2.1(beta4).zip

Show all »

Blogs: All Blog Posts, Eric Meyer on IE7.js, The IE6 Equation

External links: Getting Started, Examples, Hotlink

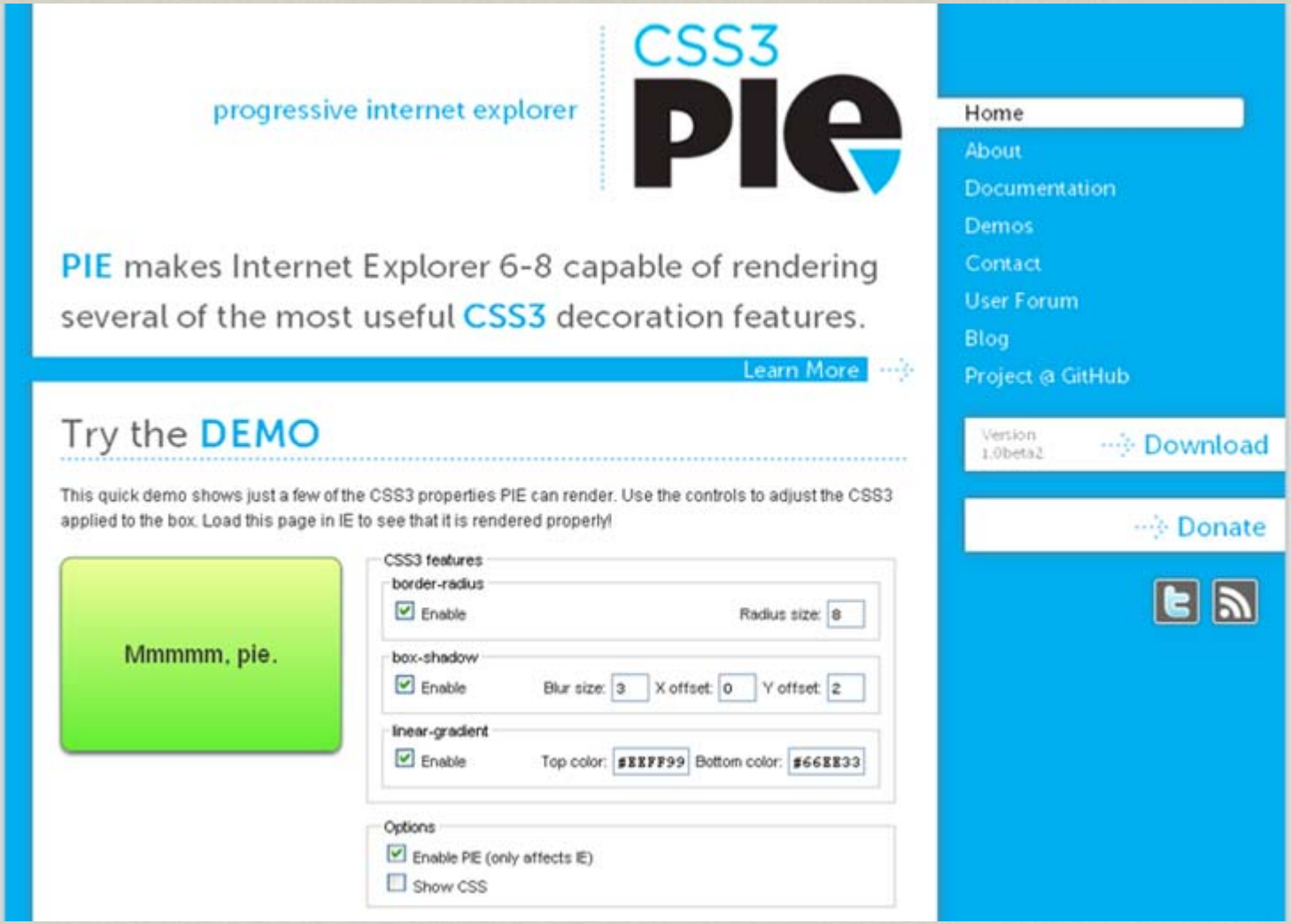
Feeds: Project feeds

Groups: Google Group

Owners:

http://code.google.com/p/ie7-js/

CSS3Pie.com


progressive internet explorer
CSS3
PIE
PIE makes Internet Explorer 6-8 capable of rendering several of the most useful CSS3 decoration features.
Learn More
Try the DEMO
This quick demo shows just a few of the CSS3 properties PIE can render. Use the controls to adjust the CSS3 applied to the box. Load this page in IE to see that it is rendered properly!
Mmmmm, pie.
CSS3 features
border-radius
Enable
Radius size: 8
box-shadow
Enable
Blur size: 3
X offset: 0
Y offset: 2
linear-gradient
Enable
Top color: #EEFF99
Bottom color: #66EE33
Options
Enable PIE (only affects IE)
Show CSS
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Version 1.0beta2
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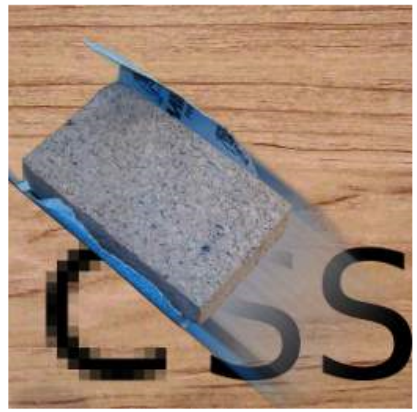
- September 2010
- August 2010

cssSandpaper – a CSS3 JavaScript Library

The cssSandpaper JavaScript library looks at the stylesheets in an HTML document and, where possible, smooths out the browser differences between CSS3 properties like `transform`, `opacity`, `box-shadow` and others. This script is not only useful for developers who want to support CSS3 in IE (which doesn't support it in IE natively) but in other browsers which implement their own vendor-specific variants of these properties.

For a good introduction to cssSandpaper and how it works under the covers, you may want to first read these blog-posts:

- Cross Browser Transforms — even in IE: this article talks about how why cssSandpaper was created and how it works under the hood. It also has several interesting examples that can be seen by all modern web browsers.
- Cross-Browser *Animated* CSS Transforms — even in IE: introduces scripting CSS3 properties to create some interesting visual effects.



Remix of images by Parée Erica and Hans Christophersen

How to Use

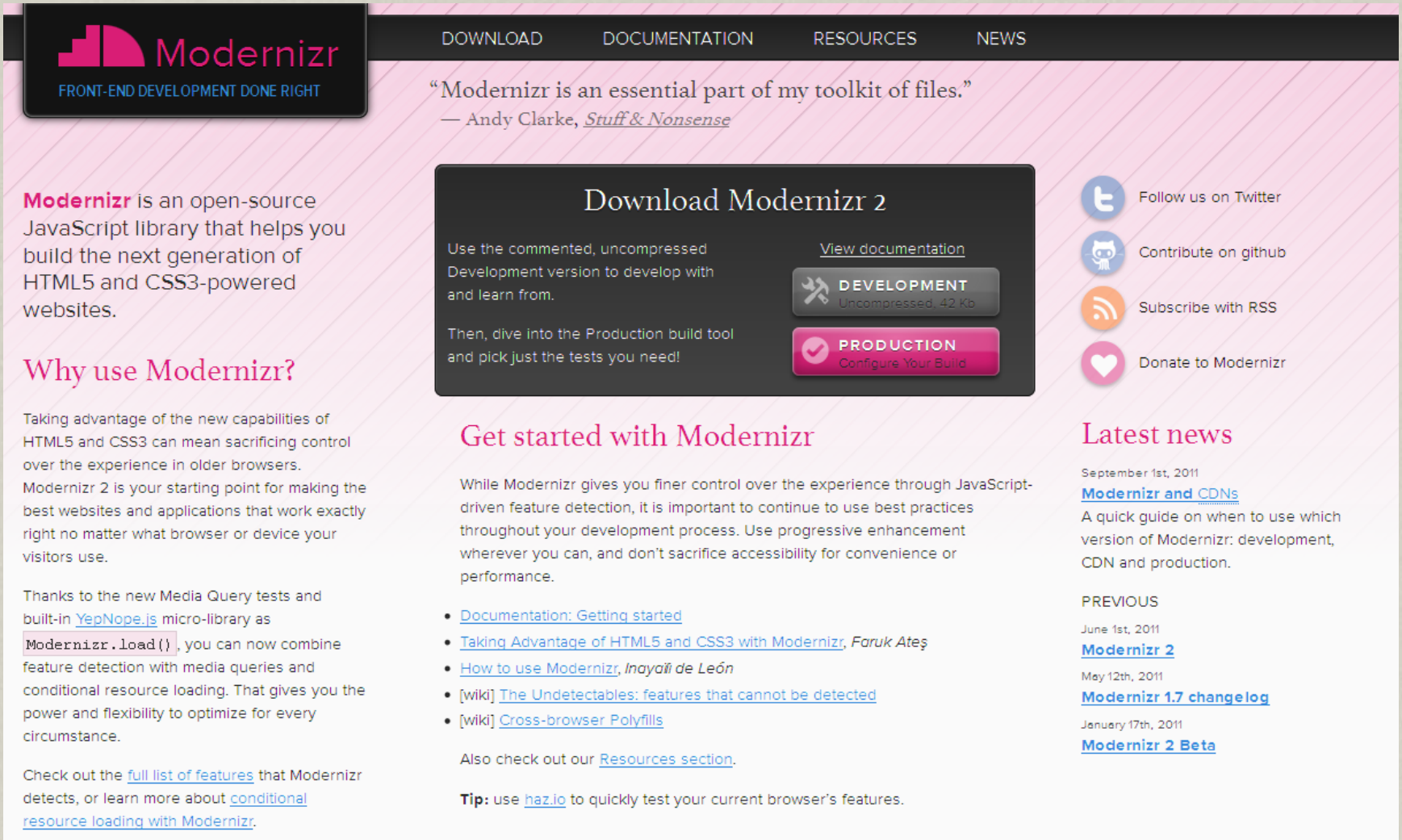
1. Download the JavaScript archive linked to at the end of this manual
2. Put the following code in the `head` of your document

http://www.useragentman.com/blog/csssandpaper-a-css3-javascript-library/

Browser Feature Detection

http://www.flickr.com/photos/johnsnape/4258191545/

Modernizr.com



What does Modernizr do?

Modernizr detects which CSS3 (and HTML5) properties are supported by the browser, and appends classes to the <html> tag, which then allows you to create styles to target specific properties to individual browsers.

It is a premier progressive enhancement tool!

How to use Modernizr

http://www.alistapart.com/articles/taking-advantage-of-html5-and-css3-with-modernizr/

http://webdesignernotebook.com/css/how-to-use-modernizr

http://www.ericlightbody.com/2010/modernizr-your-tool-for-html5-and-css3-functionality/

Templates

http://www.flickr.com/photos/jazzmasterson/275796175/

HTML5Boilerplate.com

CSS3 Properties!

Webfonts

@font-face

http://lostworldsfairs.com/moon/

@font-face

- Note:
  - Actually part of the CSS2.1 specification.
  - Therefore, the IEs do support it!
- Tips & issues
  - When you decide to use a font as a webfont, you have to be sure that the EULA supports it.
  - One way to avoid that is to use ONLY fonts that are listed as approved webfonts.
- Browser Support
  - IE lt 8 require fonts to be in EOT format
  - IE9 now supports WOFF

@font-face bug: IE lt 8

`@font-face` super bullet-proofing

The problem:

@font-face doesn't work, even with the proper normal syntax. What gives?

@font-face bug: Webkit

`@font-face` bold and italics “bug”

The problem:

Applying `font-weight:bold` or `font-style: italic` to @font-face'd text doesn’t work.

Solution: IE proof @font-face + faux variations

Example:

```
@font-face {
font-family: 'MyFontFamily';
src: url('myfont-webfont.eot?#iefix‘)
  format('embedded-opentype'),
url('myfont-webfont.woff')
  format('woff'),
url('myfont-
  webfont.ttf')format('truetype'),
url('myfont-webfont.svg#svgFontName')
  format('svg');
font-weight:normal;
font-style:normal;
font-variant:normal;
}
```

FontSquirrel.com

http://www.fontsquirrel.com/fontface/generator

Webfont Services

Instead of generating the webfonts yourself, you can pay a service where the webfonts are hosted elsewhere, and you link to them and use the fonts on their server.

Webfont Services

http://www.typekit.com

Webfont Services

http://www.typotheque.com/webfonts

http://typekit.com

http://fontdeck.com

http://kernest.com

http://www.ascenderfonts.com/webfonts/

http://www.webtype.com

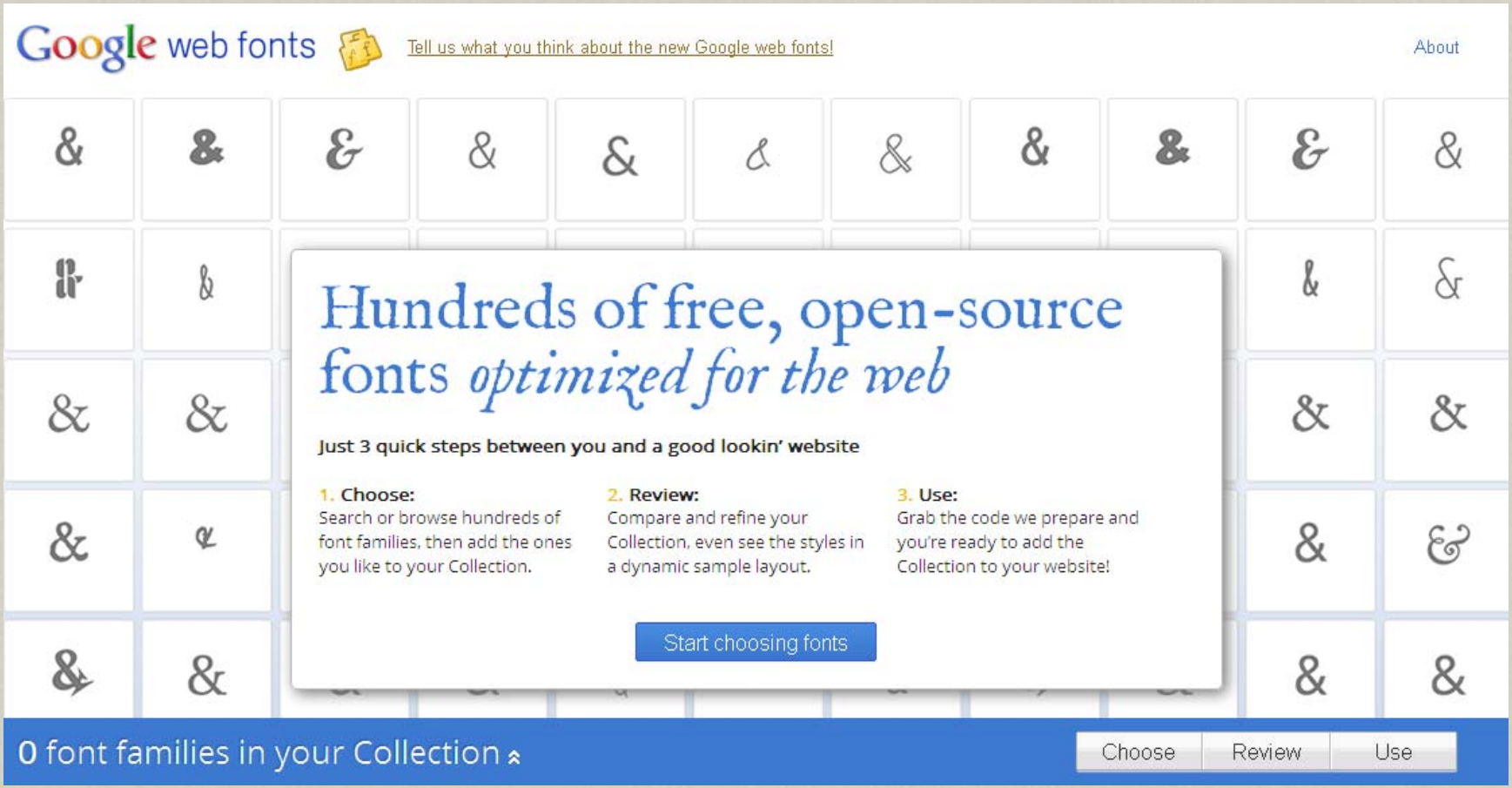
http://www.fontslive.com

http://www.extensis.com/en/WebINK/

http://webfonts.fonts.com

http://webfonts.info/wiki/index.php?title=Category:Webfont_Services

Google Font Directory



http://code.google.com/webfonts

Resources: @font-face

- http://www.delicious.com/denisejacobs/font-face

New Visual Effects in CSS3

New Visual Effects in CSS3

- border-radius
- rgba color
- box-shadow
- text-shadow
- gradient

border-radius

http://oh-hai.biz

Old-skool: code contortions

...and I'm going to cut off the corners to get my four images:

In the spot where I want the box to show up, I create a container div to hold the box, a div for the top row and a div for the bottom row. Between the top and bottom rows, I add my content. In the top and bottom row divs, I add the left corner image and set the inline style to read `display: none;`. This makes the image invisible unless I make it visible through the stylesheet. That way, I can hide the effect from incompatible browsers by not showing them the stylesheet.

```
<div class="roundcont">
   <div class="roundtop">
         <img src="tl.gif" alt=""
         width="15" height="15" class="corner"
         style="display: none" />
   </div>

   <p>Lorem ipsum dolor sit amet, consectetur adipisicing
   elit, sed do eiusmod tempor incididunt ut labore et
   dolore magna aliqua. Ut enim ad minim veniam, quis
   nostrud exercitation ullamco laboris nisi ut aliquip
   ex ea commodo consequat. Duis aute irure dolor in
   reprehenderit in voluptate velit esse cillum dolore eu
   fugiat nulla pariatur. Excepteur sint occaecat cupidatat
   non proident, sunt in culpa qui officia deserunt mollit
   anim id est laborum.</p>

   <div class="roundbottom">
         <img src="bl.gif" alt=""
         width="15" height="15" class="corner"
         style="display: none" />
   </div>
</div>
```

The CSS sets the width and background color of the container object and the color of the

television, or any other medium. To be successful, designers must embrace those differences.

Best of Newly Digital There have been dozens of Newly Digital entries from all over the world. Here are some of the best.

Writing Realistic Job Descriptions Publish a job listing like this one and you are virtually guaranteeing that you won't get qualified applicants for the position.

Where do the RSS ad startups fit in? Yahoo's RSS advertising service could spell trouble for pure-play RSS advertising services unless they adapt their business model.

More of the best »

Recently Read

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The Office Matters (A VC : Venture Capital and Technology)

stop(); // Hammertime! (Hey Norton)

What Happened to Yahoo

border-radius

- Tips & issues
  - Different syntax for mozilla, webkit, and opera browsers
- Browser Support
  - IE lt 8 does not support, IE9 does

border-radius

Border-radius Syntax Comparison Cheatsheet

syntax components	<prefix> <what1> <what2> <position1> <position2> <value>
webkit syntax	-<prefix>-<what1>-<position1>-<position2>-<what2>: <value>; -webkit-border-top-left-radius: 23px;
mozilla syntax	-<prefix>-<what1>-<what2>-<position1><position2>: <value>; -webkit-border-radius-topleft: 23px;

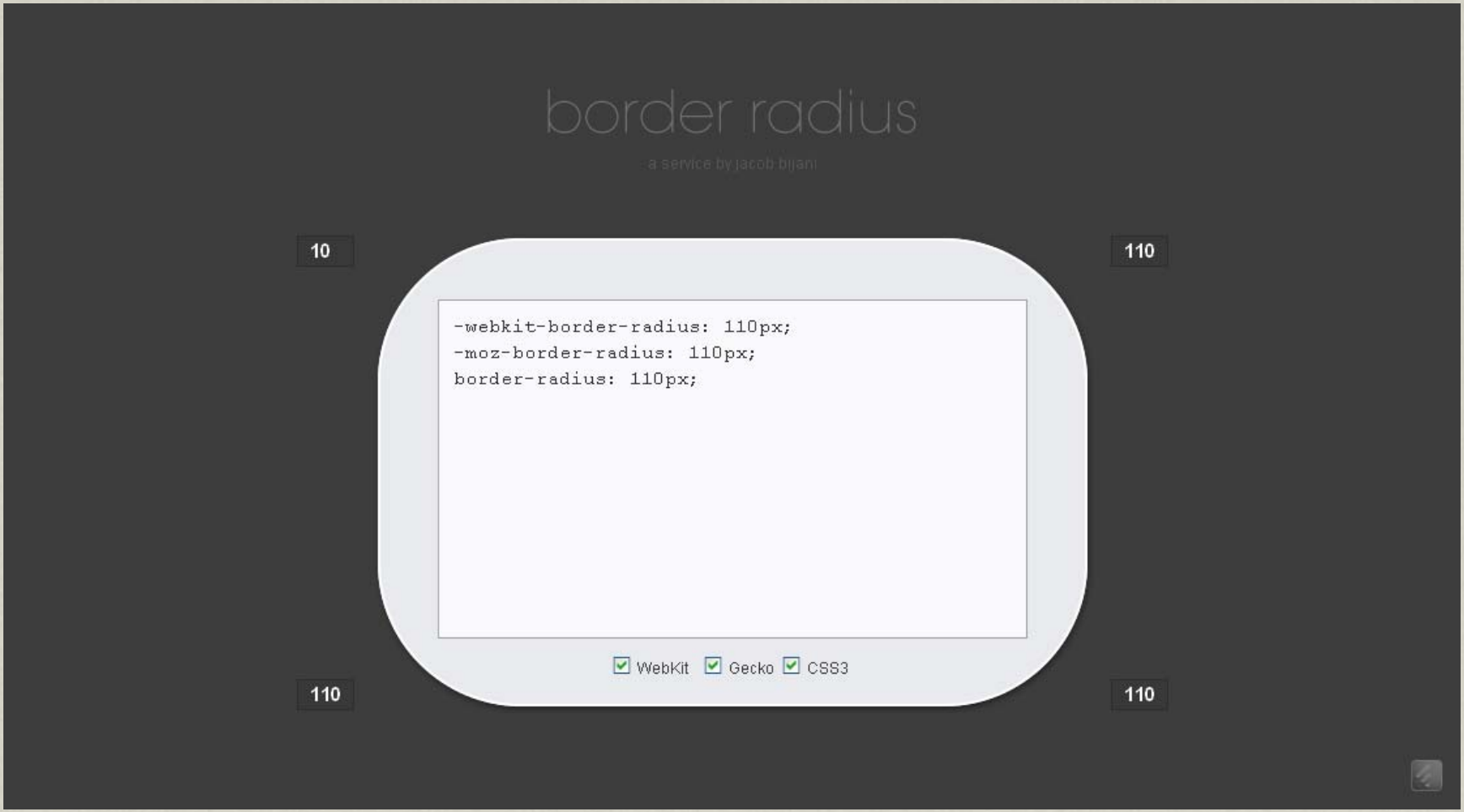
Syntax comparison breakdown:

- -moz allows multiple values for each position
- -webkit individual values
- Standard is like mozilla

border-radius

```
#contentcolumn {
-moz-border-radius: 20px 20px 0 0;
-webkit-border-top-left-radius: 20px;
-webkit-border-top-right-radius: 20px;
border-radius: 20px 20px 0 0;
}
```

Border-radius.com



border-radius Resources

http://www.delicious.com/denisejacobs/border-radius

rgba

http://aarronwalter.com/designer/

rgba

- Tips & issues
  - More granular control of the color opacity of a particular element
- Browser Support
  - IE lt 8 does not support, IE9 does
  - There is an IE filter that will give transparency with a color.

Cross-browser: rgba

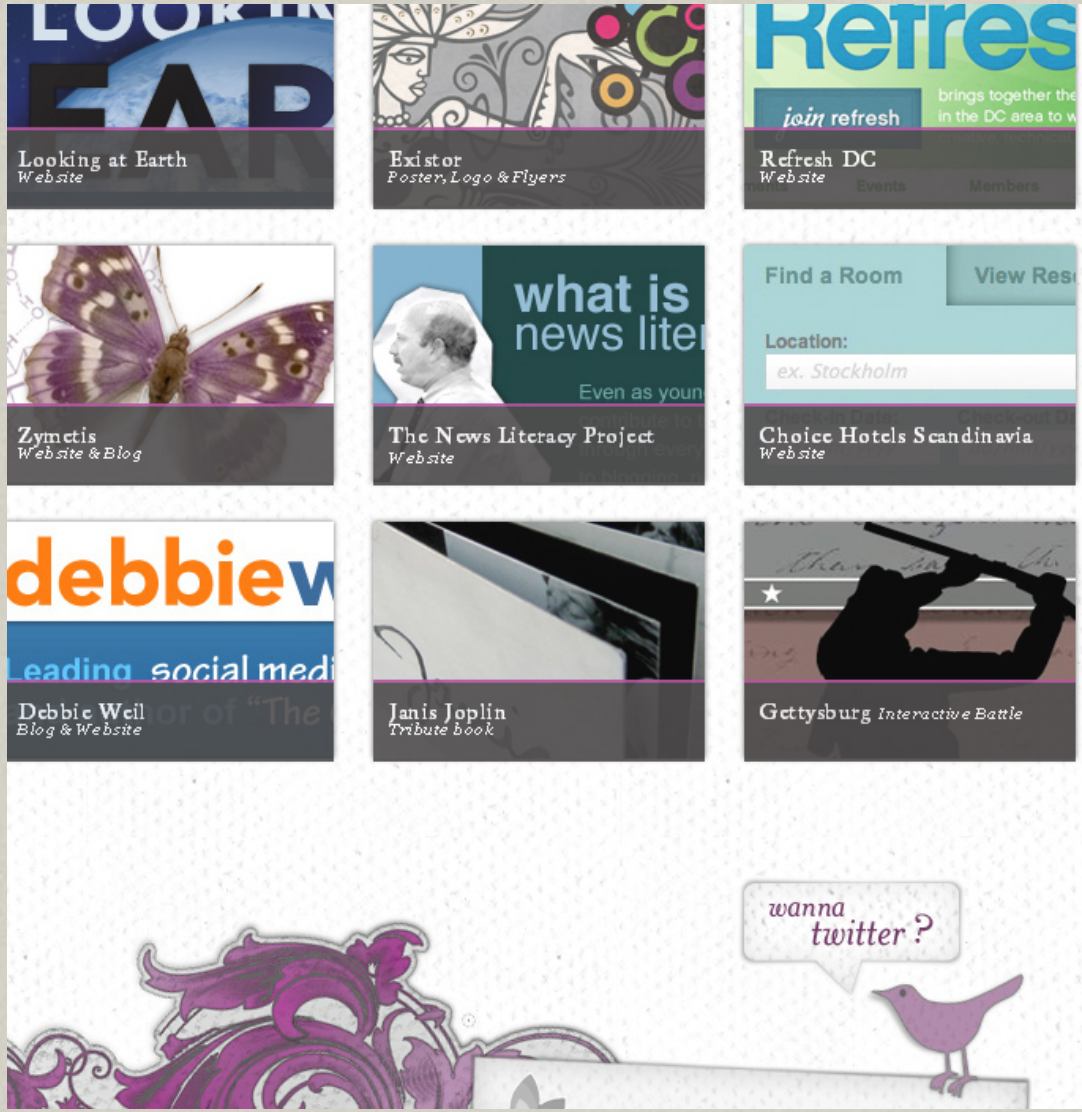
- Place after regular rgb color property to override in modern browsers; older browsers will ignore it

- IE lt 8 bug: use the property `background` instead of `background-color` for the regular color

Full solution: rgba

```
.rgba {
background-color: #ff0000;
  /* fallback color in hexidecimal. */
background-color: transparent; /* transparent
  is key for the filter to work in IE8. best
  done through conditional comments */
background-color: rgba(255, 0, 0, 0.3);
-ms-filter:
  "progid:DXImageTransform.Microsoft.gradient
  (startColorstr=#4CFF0000,
  endColorstr=#4CFF0000)";
/* filter for IE8 */
filter:
  progid:DXImageTransform.Microsoft.gradient(
  startColorstr=#4CFF0000,
  endColorstr=#4CFF0000);
/* filter for older IEs */
}
```

box-shadow



http://badassideas.com/work/

box-shadow

- Tips & issues
  - Different syntax for mozilla, webkit, and opera browsers
- Browser Support
  - IE lt 8 does not support, IE9 does
  - There is a filter for IE: shadow (actually there are 2: shadow and dropshadow, but shadow is said to be better)

box-shadow

```
.portfolio {
-moz-box-shadow: 0 5px 20px
  rgba(0,0,0,0.6);
-webkit-box-shadow: 0 5px 20px
  rgba(0,0,0,0.6);
box-shadow: 0 5px 20px rgba(0,0,0,0.6);
}
```

Full solution: box-shadow

```
.boxshadow {
-moz-box-shadow: 3px 3px 10px #333;
-webkit-box-shadow: 3px 3px 10px #333;
box-shadow: 3px 3px 10px #333;
  /*standard*/
-ms-filter:
  "progid:DXImageTransform.Microsoft.Shad
  ow(Strength=4, Direction=135,
  Color='#333333')";
/* For IE 8 */
filter:
  progid:DXImageTransform.Microsoft.Shado
  w(Strength=4, Direction=135,
  Color='#333333');
  /* For IE 5.5 - 7 */
}
```

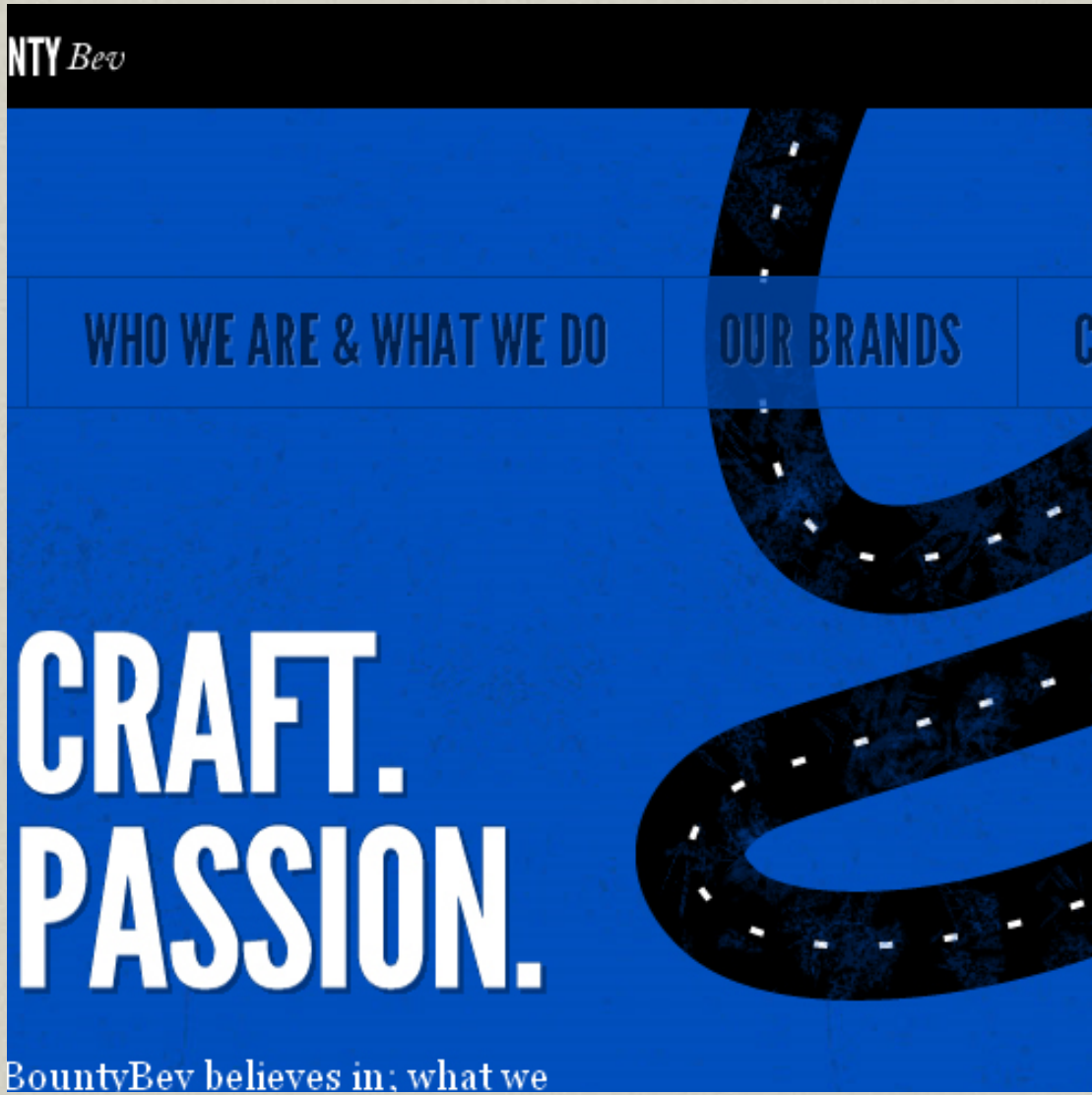
Inspiration: box-shadow

http://nicolasgallagher.com/css-drop-shadows-without-images/demo/

Resources: box-shadow

http://www.delicious.com/denisejacobs/box-shadow

text-shadow



http://www.bountybev.com

text-shadow

- Tips & issues
  - Can help accentuate text and improve readability and visual importance
- Browser Support
  - IE lt 8 does not support, nor does IE9 :/
  - could use the IE filter: shadow

Full solution: text-shadow

```
.textshadow h2 {
text-shadow:1px 1px 2px
  rgba(48,80,82,0.8);
-ms-filter:
  "progid:DXImageTransform.Microsoft.Shad
  ow(Strength=2, Direction=135,
  Color='#305052')";
/* For IE 8+ */
filter:
  progid:DXImageTransform.Microsoft.Shado
  w(Strength=2, Direction=135,
  Color='#305052');
/* For IE 5.5 - 7 */
}
```

Inspiration: text shadow

http://www.midwinter-dg.com/blog_demos/css-text-shadows/

Inspiration: text shadow

http://desandro.com/articles/the-new-lens-flare/

Resources: text-shadow

http://www.delicious.com/denisejacobs/text-shadow

gradient

djay

about | work | appearance

The Mind of Raymond Jay

Professor. Sociologist. Philosopher. Pundit. Poet. Inspired Essayist. MacArthur Genius Award recipient.

Raymond Jay's work spans the gamut of disciplines and forces readers to challenge their perceptions and beliefs about t world and their place in it.

read mo

http://raymondjay.com/

Old skool: Gradient background

gradient

- Tips & issues
  - *Very* different syntax for mozilla and webkit browsers previously
  - Newer syntax for current and future browsers
- Browser Support
  - IE does not support, so will still need a fallback image for those browsers

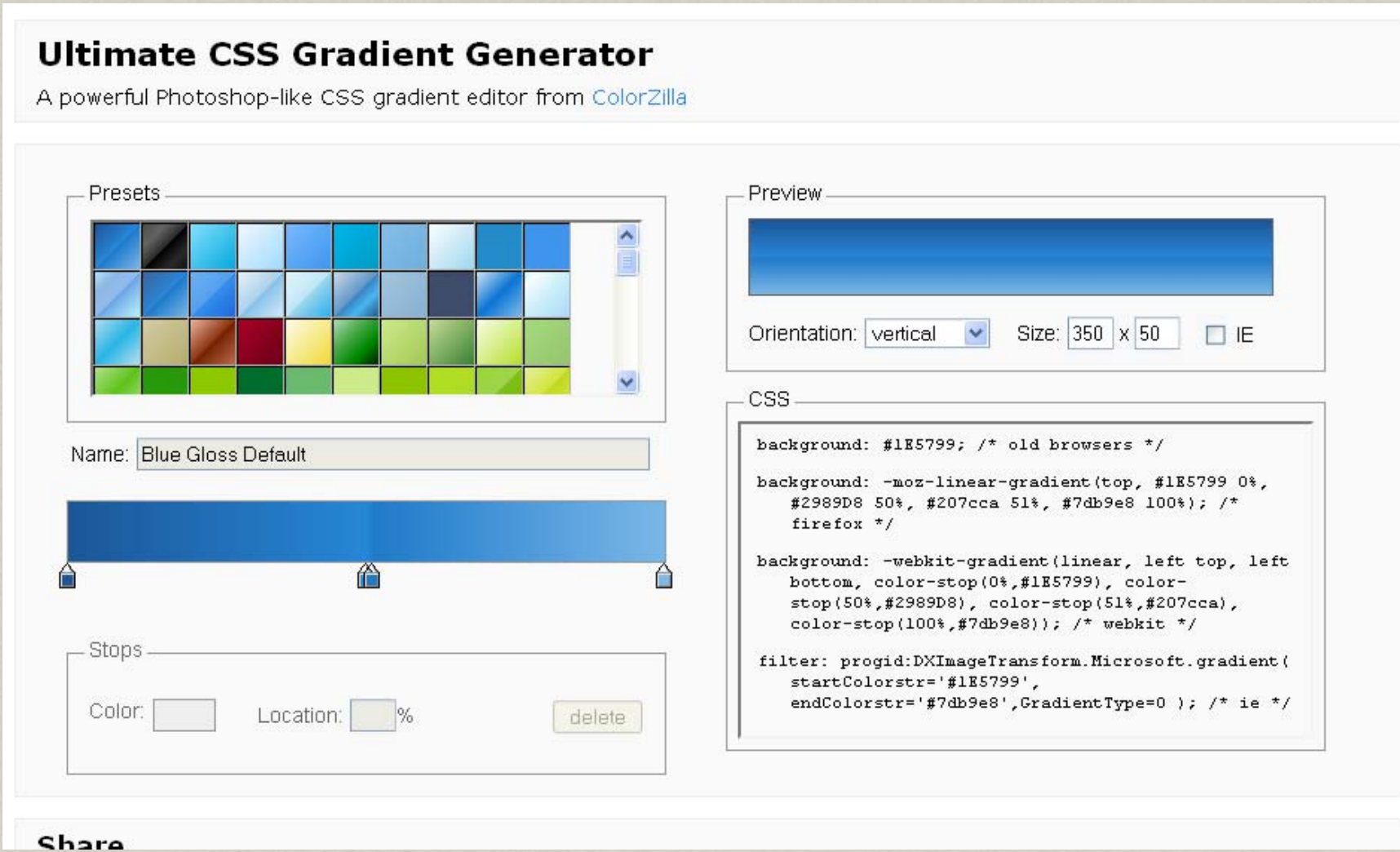
gradient

```
#mainnav li a {
background-color: #f7f6f4;
background-image: url(bg_navitems.gif);
background-image:
  -moz-linear-gradient(100% 100% 90deg,
  #ccc9ba, #ffffff);
background-image:
  -webkit-gradient(linear, 0% 0%, 0%
  100%, from(#ffffff), to(#ccc9ba));
}
```

gradient: Full solution

```
.gradient {
color: #fff;
background: #aaaaaa url(gradient_slice.jpg) 0 0
  x-repeat; /*background color matches one of the
  stop colors. The gradient_slice.jpg is 1px wide
  */
background-image: -moz-linear-gradient(top,
  #07407c, #aaaaaa);
background-image: -webkit-gradient(linear,left
  top,left bottom,color-stop(0, #07407c),color-
  stop(1, #aaaaaa));
-ms-filter:
  "progid:DXImageTransform.Microsoft.gradient(sta
  rtColorStr='#07407c', EndColorStr='#aaaaaa')";
  /* IE8+ */
filter:
  progid:DXImageTransform.Microsoft.gradient(star
  tColorStr='#07407c', EndColorStr='#aaaaaa');
  /* IE7- */
}
```

Colorzilla gradient tool



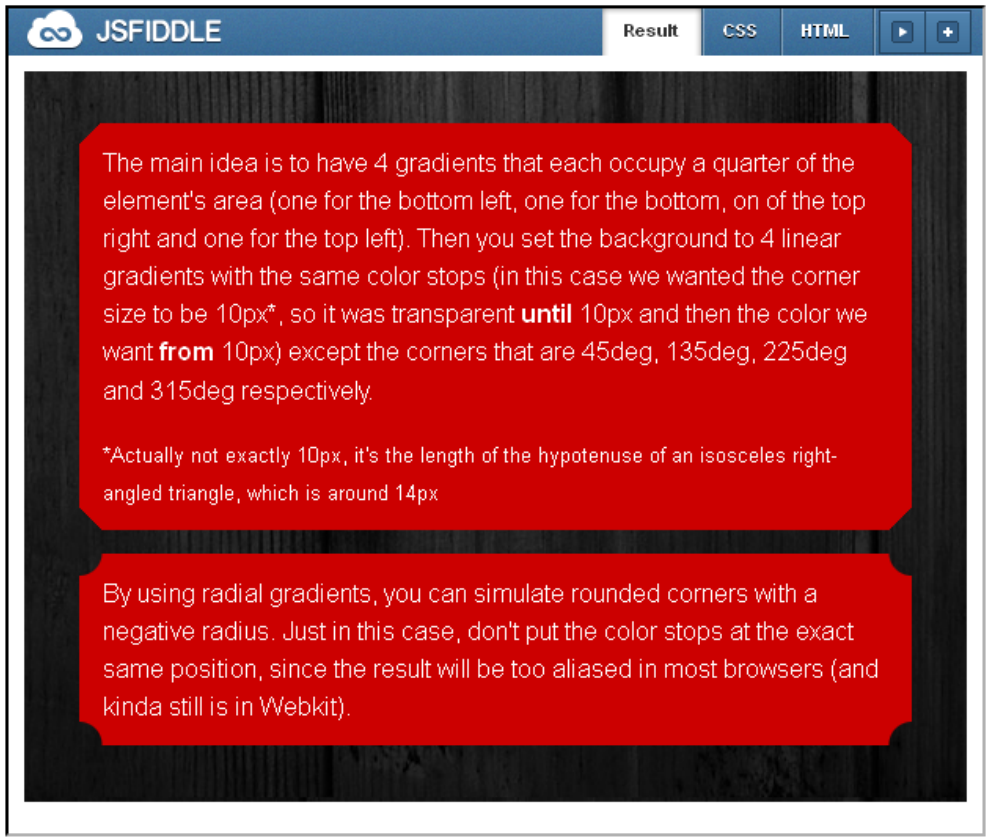
http://www.colorzilla.com/gradient-editor/

Inspiration: gradients

http://leaverou.me/css3patterns/

Inspiration: gradients

CSS problems can be solved with gradients alone. Read the text in the fiddle to find out how (or just check the code):



It also falls back to a solid color background if CSS gradients are not supported. It will work on Firefox 3.6, latest Webkit and —hopefully— Opera 11.10 (they announced that gradients support is coming). You could add a `-webkit-gradient()` background too, to

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Recent comments

Lea Verou *I'm planning to add SVG generation ;)*
Convert standard gradient syntax to -webkit-gradient and others · 3 hours ago

Ivanov *You can add*

http://leaverou.me/2011/03/beveled-corners-negative-border-radius-with-css3-gradients/

Tools: gradient

http://www.colorzilla.com/gradient-editor/

http://www.westciv.com/tools/gradients/

http://css3please.com

http://css3generator.com

Resources: gradient

http://www.delicious.com/denisejacobs/gradient

Advanced Visual Effects in CSS3

CSS3 for Advanced Visual Presentation

1. border-image
2. multiple background images
3. background-size
4. multiple text columns

border-image

The large illustrated header, colour scheme and general style of the site have become largely recognisable and still gain good responses from new visitors, therefore this main styling was something I wanted to keep intact with the newer design.

http://www.spoongraphics.com/blog/

border-image

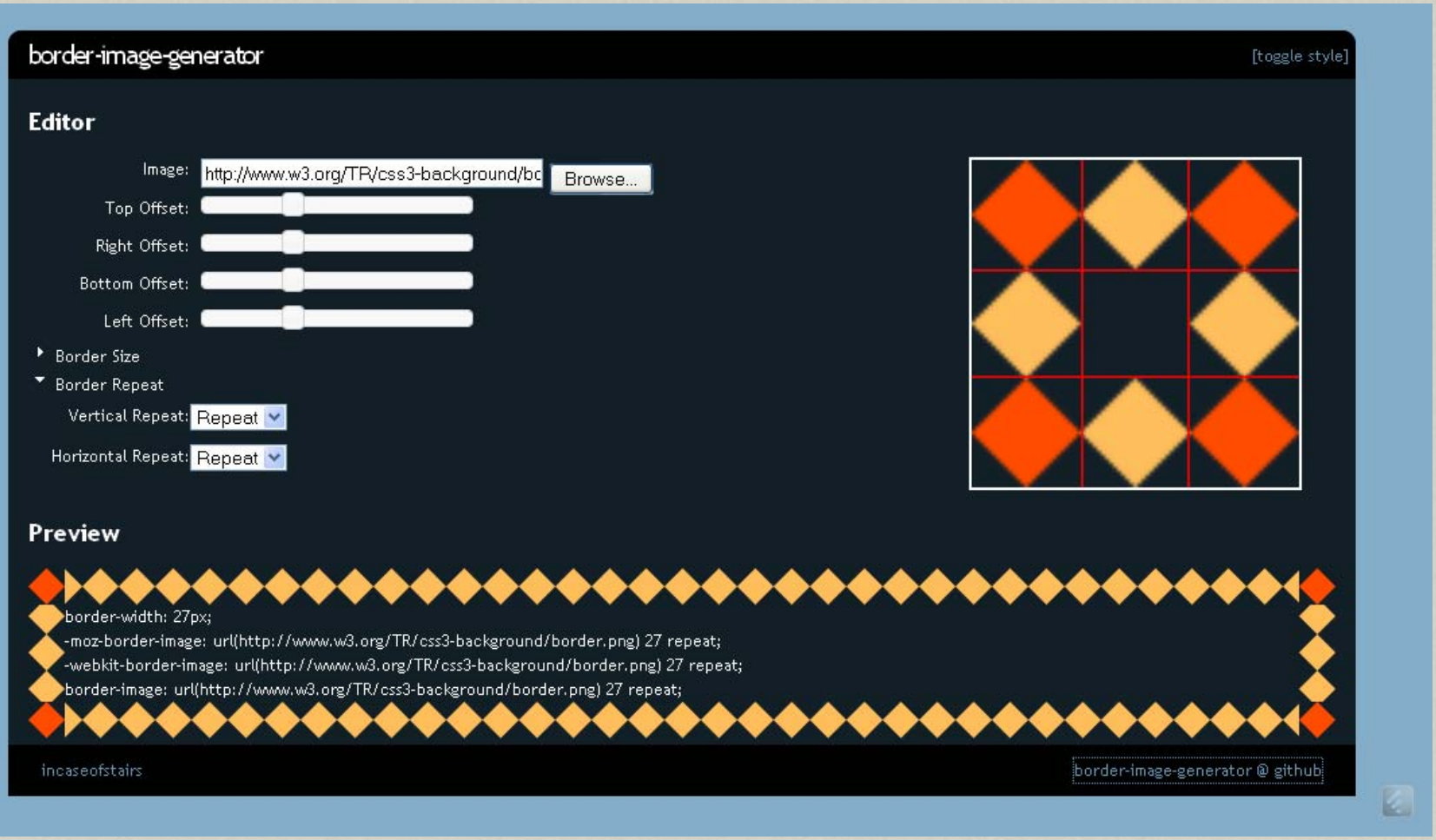
Borders can now be created using images and sections thereof for enhanced visual design.

- Tips & issues
  - Documentation on best use is sparse
  - No adequate fall-back techniques for graceful degradation
  - Vendor prefixes for Mozilla and webkit
- Browser support
  - The IEs do not support

border-image

```
div.note div.border {
-moz-border-image:
url(/playground/awesome-overlays/border-
image.png) 5 5 5 5 stretch;
-webkit-border-image:
url(/playground/awesome-overlays/border-
image.png) 5 5 5 5 stretch;
border-image: url(/playground/awesome-
overlays/border-image.png) 5 5 5 5
stretch;
}
```

Border-image.com



Resources: border-image

http://www.delicious.com/denisejacobs/border-image

Multiple backgrounds

http://www.lostworldsfairs.com

Multiple backgrounds

- Tips & issues:
  - The backgrounds are shown according to the order listed, with the first background image listed is the one “on top” and the rest stack underneath it.
  - Can use CSS3 gradients (which are like background images) in conjunction with multiple background images.

- Browser support:
  - IE lt 8 does not support, but IE9 does

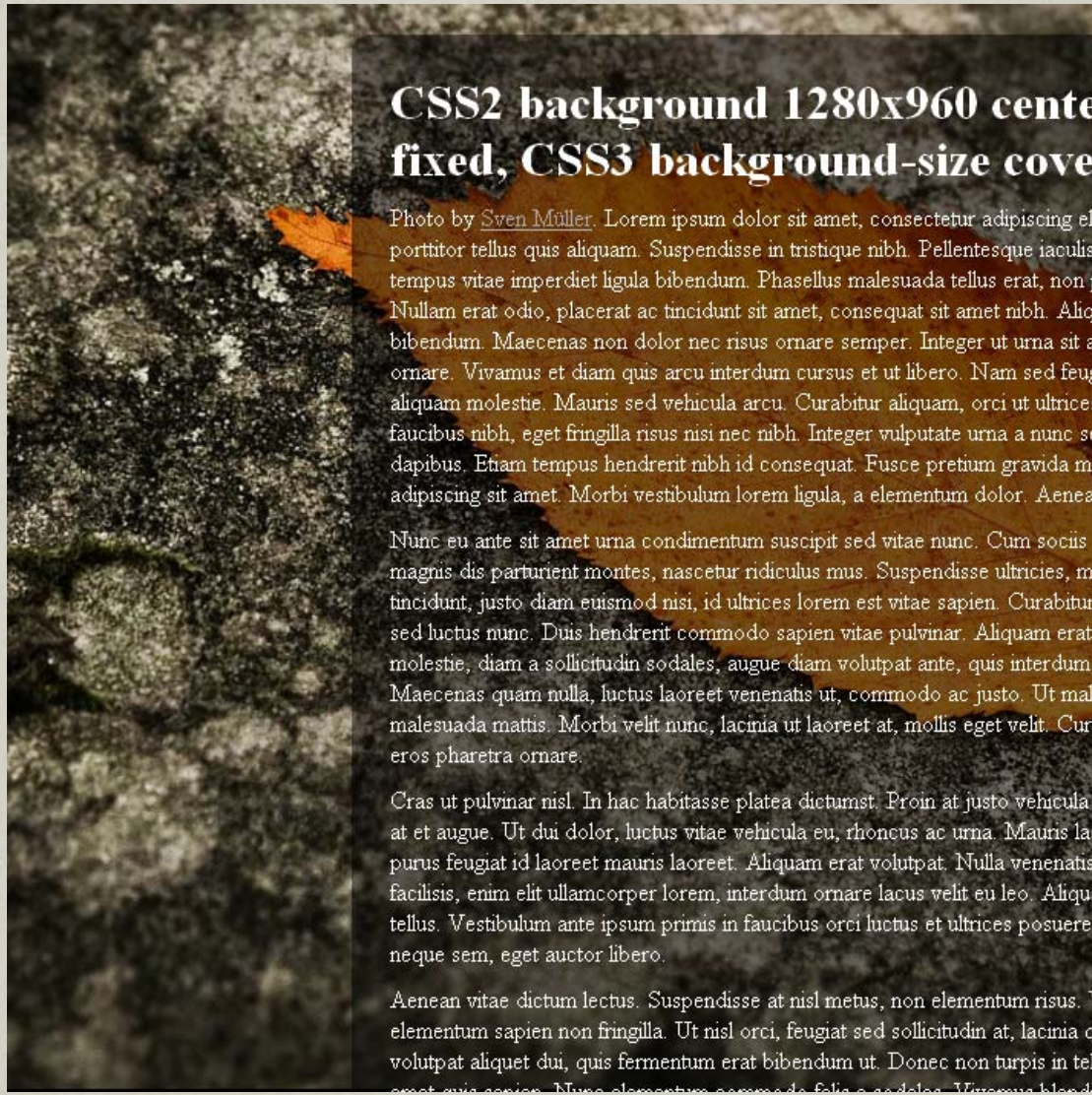
Multiple backgrounds

```
body {
background-color: #5ABBCF;
background: #5ABBCF url(../images/bokeh1.png) no-
   repeat; /* fallback image */
background: url(../images/bokeh4.png) no-repeat,
   url(../images/bokeh3.png) no-repeat 10% 0,
   url(../images/bokeh2.png) no-repeat 20% 0,
   url(../images/bokeh1.png) no-repeat,
   url(../images/glow.png) no-repeat 90% 0,
   -moz-linear-gradient(0% 90% 90deg,#5ABBCF,
   #95E0EF);
background:
   url(../images/bokeh4.png) no-repeat,
   url(../images/bokeh3.png) no-repeat 10% 0,
   url(../images/bokeh2.png) no-repeat 20% 0,
   url(../images/bokeh1.png) no-repeat,
   url(../images/glow.png) no-repeat 90% 0,
   -webkit-gradient(linear, 0% 0%, 0% 90%,
   from(#95E0EF), to(#5ABBCF));
}
```

Resources: multiple backgrounds

http://www.delicious.com/denisejacobs/multiplebackgrounds

background-size



http://www.alistapart.com/articles/supersize-that-background-please/

background-size

You can set the size of a background image and make sure it covers the entire background of a page, no matter what the size.

- Tips & Issues:
  - Vendor prefixes for mozilla, webkit, and opera
- Browser support:
  - IE lt 8 does not support, but IE9 does

background-size

Example:

```
body { background: #000
  url(myBackground_1280x960.jpg) center
  center fixed no-repeat;
  -moz-background-size: cover;
  -webkit-background-size: cover;
  -o-background-size: cover;
  background-size: cover;
}
```

Inspiration: background-size

Launchrock.com

Resources: background-size

- http://www.delicious.com/denisejacobs/backgroundsize
- http://www.alistapart.com/articles/supersize-that-background-please/
- http://www.w3.org/TR/css3-background/#the-background-size

Multiple text columns

yaili. HANDMADE WEB DESIGN

Hi! My name is Inayaili de León and I'm a web designer. That means I make websites both beautiful and easy to use—I can make a lot of amorphous content look clean and easy to understand.

I also take a lot of pleasure in coding mine and other people's designs to make them work online.

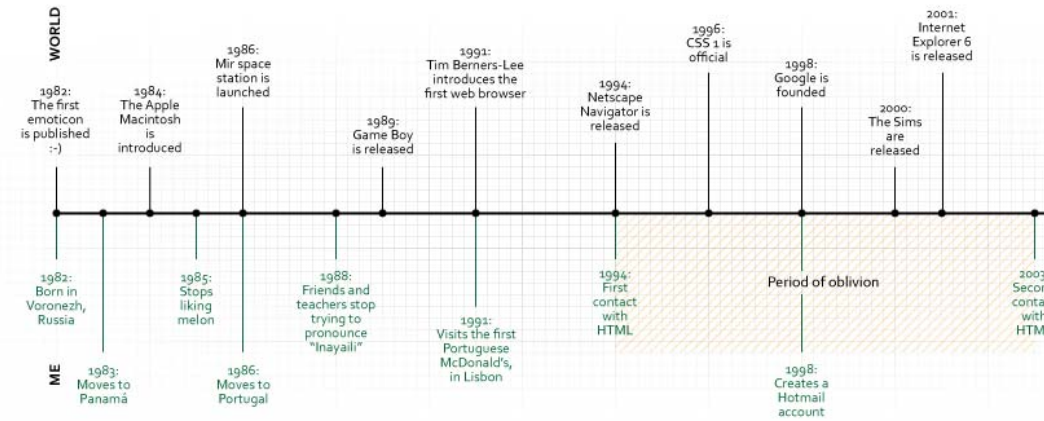
I live and work in London—the most beautiful city in the world—, at Canonical (the company that delivers Ubuntu).

I'm Portuguese; I speak Portuguese, Spanish, English and try really hard to understand French and Italian.

I like cats. And chocolate.

Tweeted, about 1 hour ago: OH: "Jack Osborne is great. Let's get him some shoes." Follow me on Twitter →

A brief visual biography



http://www.yaili.com

Multiple text columns

You can have one div containing a number of paragraphs which can be displayed in columns, with no float or height manipulations.

- Tips & Issues:
  - Some of the properties are not widely supported, and many of the related (like dividers, breakers, etc.) haven't been implemented or aren't supported yet either.

Multiple text columns

Example:

```
div.three-col {
-webkit-column-count: 3;
-webkit-column-gap: 15px;
-moz-column-count: 3;
-moz-column-gap: 15px;
column-count: 3;
column-gap: 15px;
}
```

Resources: multiple columns

http://www.delicious.com/denisejacobs/multiplecolumns

2d Transformations with CSS3

transform (2d)

http://www.zurb.com/playground/css3-polaroids/

transform

- Tips & issues
  - Mozilla, Webkit, and Opera vendor prefixes; no standard yet.

- Browser Support
  - IE lt 8 does not support, but IE9 does

2D Transformations

Different kinds of transforms:

- rotate
- scale
- skew
- translate
- matrix

transform/rotate: full solution

```
.rotate {
-moz-transform: rotate(-5deg);
-webkit-transform: rotate(-5deg);
-o-transform: rotate(-5deg);
transform: rotate(-5deg);
filter:
  progid:DXImageTransform.Microsoft.Matrix(sizing
  Method='auto expand', M11=0.996194698091745 5,
  M12=0.08715574274765817, M21=-
  0.08715574274765817, M22=0.996194698091745 5);
-ms-filter:
  "progid:DXImageTransform.Microsoft.Matrix(M11=0
  .996194698091745 5, M12=0.08715574274765817,
  M21=-0.08715574274765817,
  M22=0.996194698091745 5, sizingMethod='auto
  expand')";
zoom: 1;
}
```

transform: multiple

You can apply multiple transform properties to one element.

Example:

```
.enlargen:hover {
-webkit-transform: translate(-50%, -50%) scale(2)
  rotate(0);
-moz-transform: translate(-50%, -50%) scale(2)
  rotate(0);
-o-transform: translate(-50%, -50%) scale(2)
  rotate(0);
transform: translate(-50%, -50%) scale(2)
  rotate(0);
  }
```

Resources: 2D transforms

http://www.delicious.com/denisejacobs/transform

Animation with CSS3

Animation

1. transitions
2. animation (the webkits only)

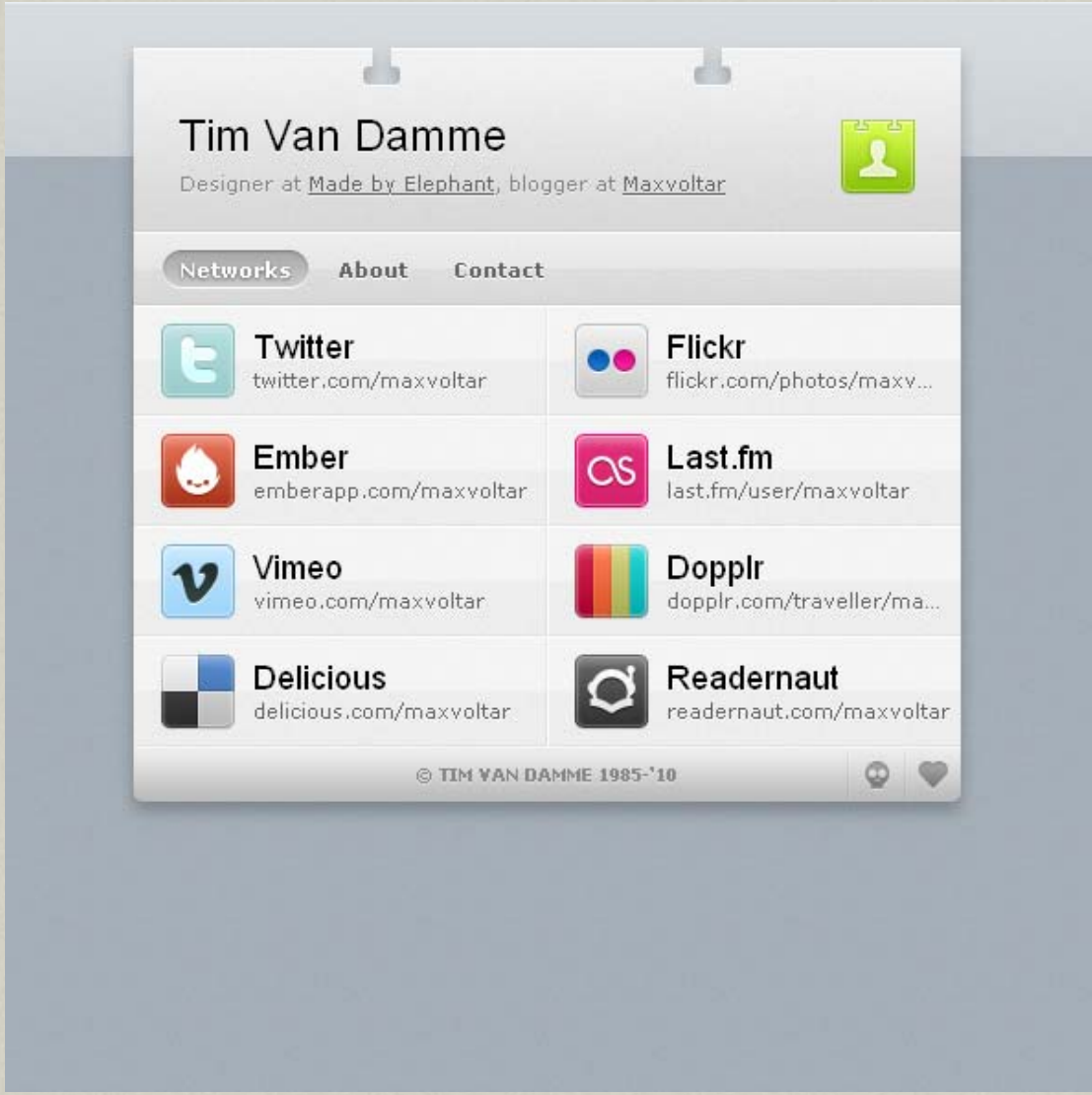
A Tip:

Be subtle – it's more effective

Old skoool: Flash

macromedia®
FLASH™ PLAYER

transition



http://timvandamme.com/

transition

You can create subtle transitions between hover states on elements. The transitions smooth out visual jumps.

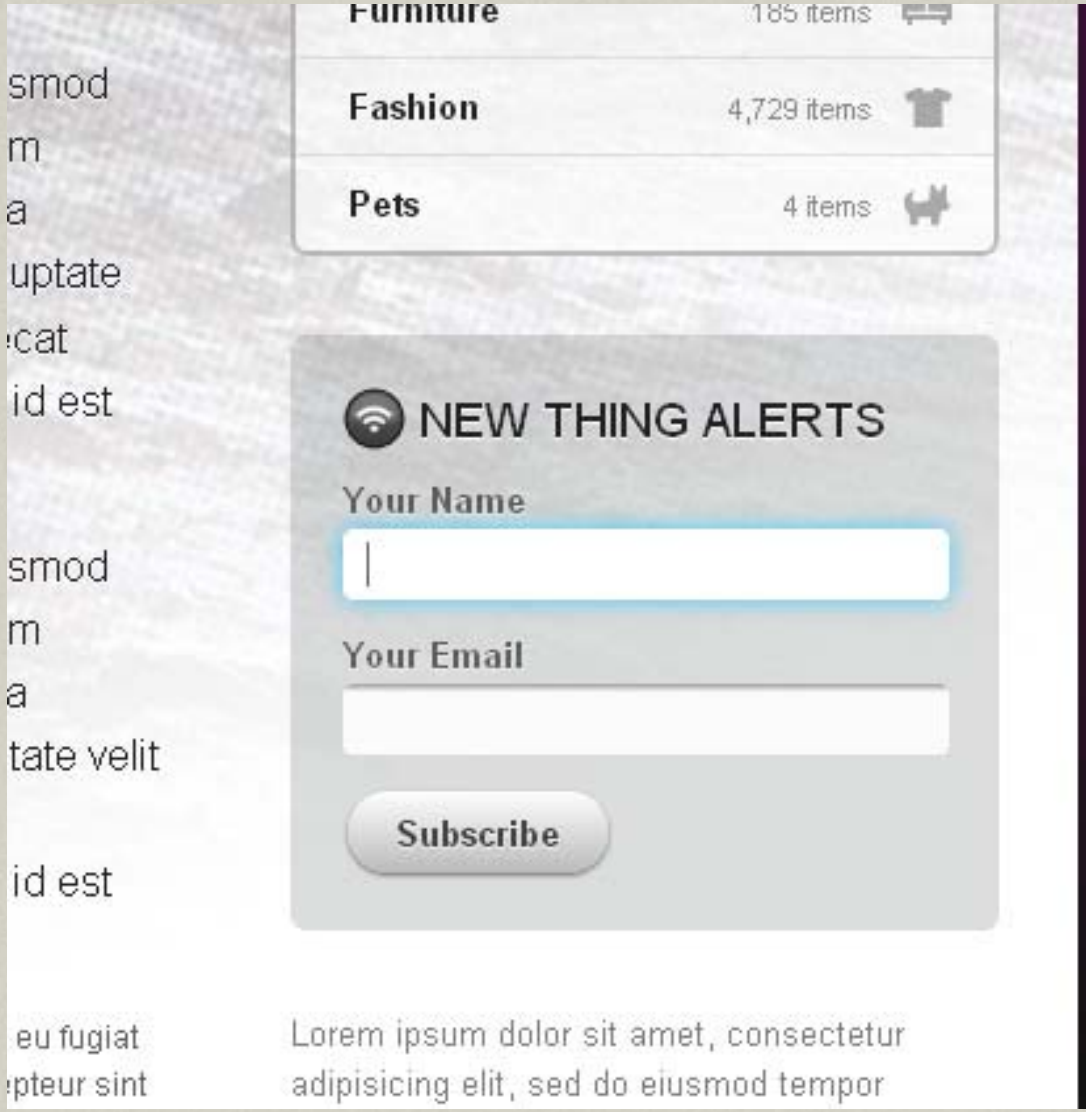
- Tips & issues
  - Be sure to put the transition effect on the correct element

transition

Example:

```
#id_of_element {
-webkit-transition: all 1s ease-in-out;
-moz-transition: all 1s ease-in-out;
-o-transition: all 1s ease-in-out;
transition: all 1s ease-in-out;
}
```

Animation



http://www.css3exp.com/moon/

Animation

You can create subtle animations in the browser!

- Tips & issues:
  - Plan out the animation sequence ahead of time
  - Be aware of style order in the CSS

Animation

```
div {
animation-name: diagonal-slide;
animation-duration: 5s;
animation-iteration-count: 10;
}

@keyframes diagonal-slide {
from { left: 0; top: 0; }
to { left: 100px; top: 100px; }
}
```

Resources: Animation

http://www.delicious.com/denisejacobs/animation

CSS3 Selectors

http://www.flickr.com/photos/jamiecampbell/446301597/

Getting Advanced

Advanced selectors are a good way to specifically target styles for modern browsers.

The right selector will help you achieve targeting nirvana, so it's important to know which selectors you can use now.

CSS3 Selectors

Advanced selectors give us the power to target elements that are not part of the document tree and/or those that are generated dynamically.

- Tips & issues
  - There are a lot of options to choose from!
  - Great to use for progressive enhancement
  - Need to be aware of changes to specificity

CSS3 Selector Specification

- General sibling
  E ~ F

- Attribute substrings
  - a[attribute^="value"]
  - a[attribute$="value"]
  - a[attribute*="value"]

- Pseudo-elements
  no new ones, all pseudo-elements in CSS3 indicated with ::

- Pseudo-classes
  - Target
    - :target
  - Negation
    - :not(s)
  - State
    - :enabled
    - :disabled
    - :checked
    - :indeterminate

CSS3 Selectors

- Structural
  - :nth-child(n)
  - :nth-last-child(n)
  - :nth-of-type(n)
  - :nth-last-of-type(n)
  - :last-child
  - :first-of-type
  - :last-of-type
  - :only-child
  - :only-of-type
  - :empty
  - :root

Uses for advanced selectors

- Great for progressive enhancement

- Styling first, last or x-number of elements

Old skool: zebra striping

The bad old days...

Before we begin covering ways to use the new selectors, let's review the old ways of doing things. First, we would have to add a class attribute to every other table row:

```
<table>
  <tr valign="top" class="odd">
    <td>Salmon</td>
    <td>Omega-3's help the brain develop properly, reduce the risk of Alzheimer
  </tr>
  <tr valign="top">
    <td>Spinach</td>
    <td>Great source of folate and lutein. Prevents birth defects, heart diseas
  </tr>
  <tr valign="top" class="odd">
    <td>Sweet Potatoes</td>
    <td>Beta carotene protects your skin from sun damage.</td>
  </tr>
</table>
```

Luckily, our table is fairly small, so this doesn't require too much work. But you could imagine how tedious this process would be if our table was dozens of rows long! We would then add a CSS rule that targeted those rows:

```
tr.odd {
  background-color: #99ff99;
```

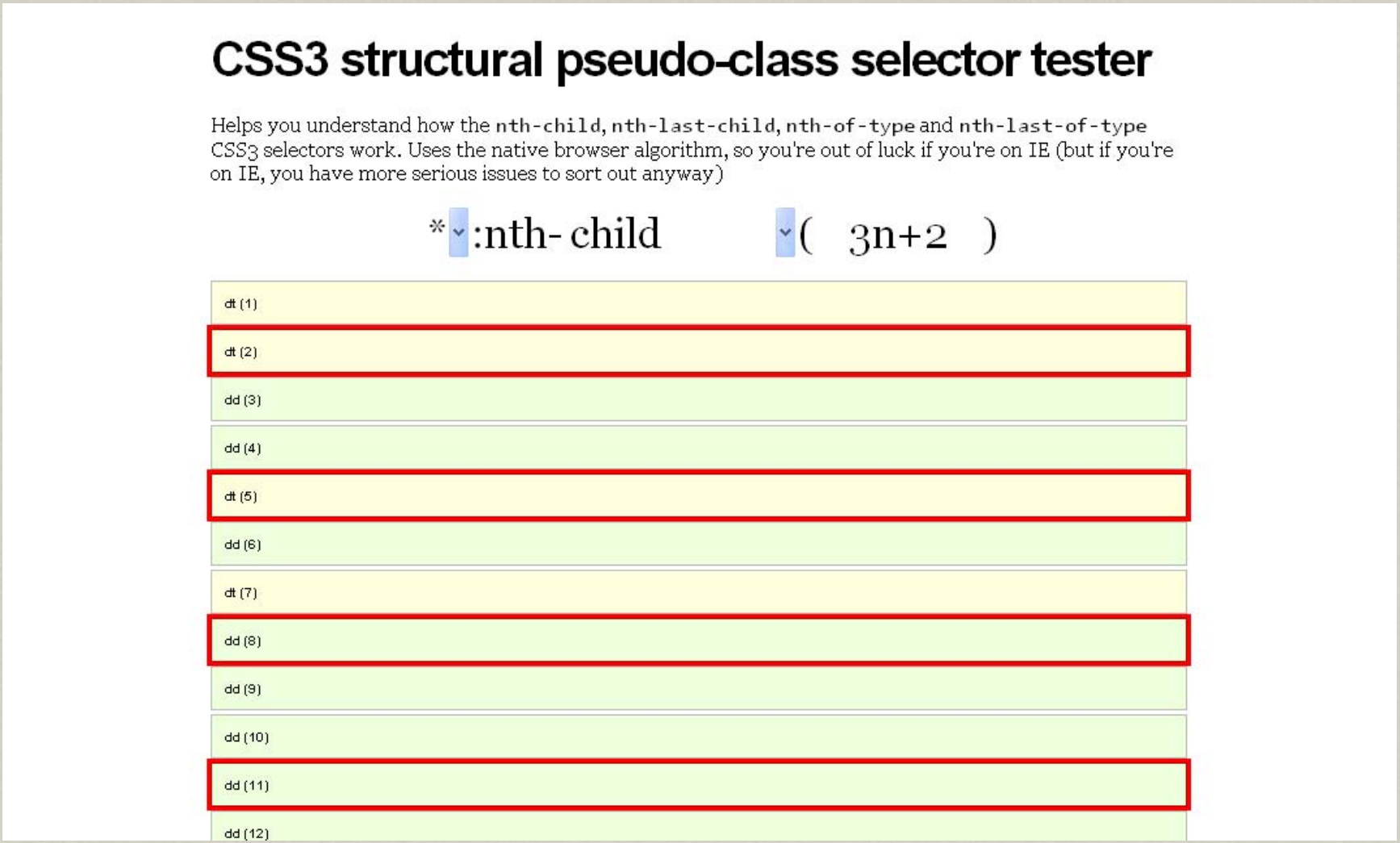
With structural pseudo-elements

The **keywords** odd and even can be used to match child elements whose index is odd or even. The index of an element's first child is 1, so this rule will match any p element that is the first, third, fifth, and so on, child of its parent element.

An **argument**, can is placed within the parentheses, as a number, a keyword, or a formula.

A **formula** an + b can be used to create more complex repeating patterns. In the formula, a represents a cycle size, n is a counter starting at 0, and b represents an offset value. All values are integers.

Nth child selector tester



http://leaverou.me/demos/nth.html

CSS3 Selector Support

CSS3 Selectors

	WIN										MAC			
	FIREFOX		SAFARI	IE					CHROME	OPERA	FIREFOX	SAFARI	OPERA	
	3.6	4	5	6	7	8	9	10	10	11.1	4	5	11.1	
Begins with	✔	✔	✔	✘	✔	✔	✔	✔	✔	✔	✔	✔	✔	98%
Ends with	✔	✔	✔	✘	✔	✔	✔	✔	✔	✔	✔	✔	✔	98%
Matches	✔	✔	✔	✘	✔	✔	✔	✔	✔	✔	✔	✔	✔	98%
Root	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	87%
nth-child	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	86%
nth-last-child	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	86%
nth-of-type	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	86%
nth-last-of-type	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	86%
last-child	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	87%
first-of-type	✔	✔	✔	✘	✘	✘	✔	✔	✔	✔	✔	✔	✔	86%

http://www.findmebyip.com/litmus

Tools: CSS3 Selectors

- http://www.quirksmode.org/compatibility.html
- http://www.evotech.net/blog/2009/02/css-browser-support/
- http://www.findmebyip.com/litmus

CSS3 Selector Helper Script

http://www.selectivizr.com

Resources: CSS3 Selectors

- http://www.delicious.com/denisejacobs/selectors+css3
- http://inspectelement.com/tutorials/a-look-at-some-of-the-new-selectors-introduced-in-css3/
- http://24ways.org/2009/cleaner-code-with-css3-selectors

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- http://24ways.org/2009/cleaner-code-with-css3-selectors

Becoming Responsive

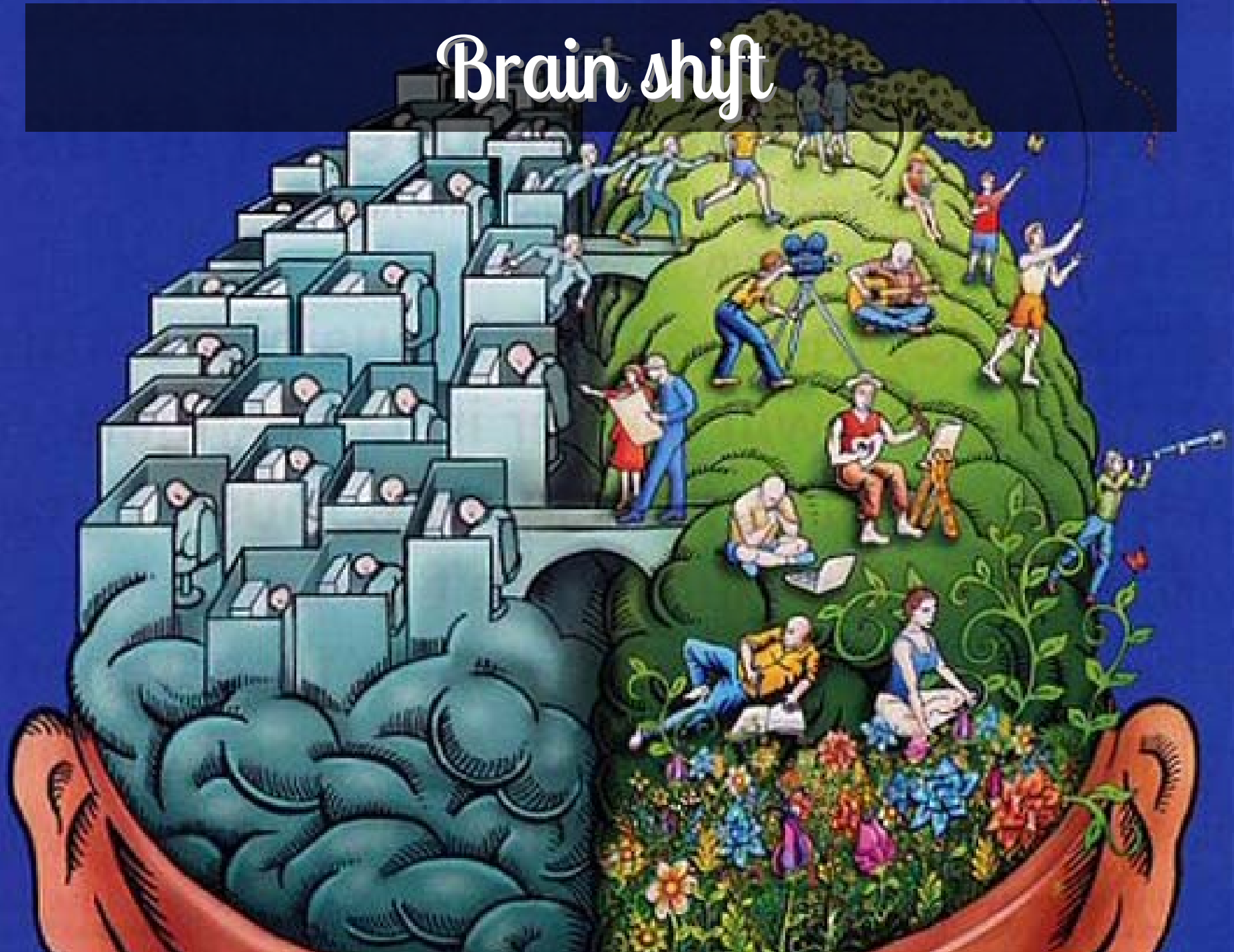
Responsive Devices?

http://www.flickr.com/photos/ivyfield/4486938457/

Responsive Devices!

http://www.flickr.com/photos/ivyfield/4486938457/

Brain shift



Mobile first

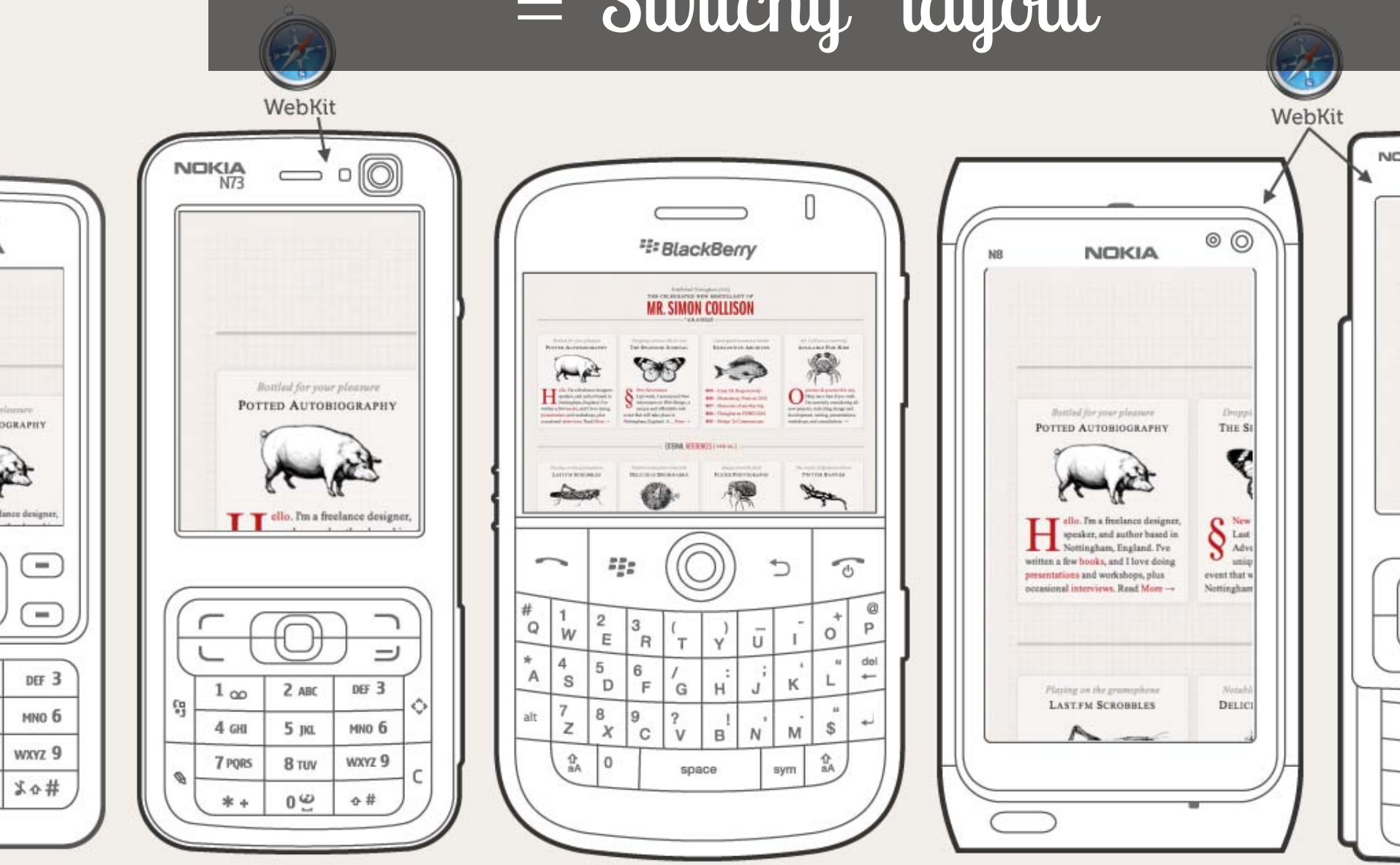
Avoid this

desktop stylesheet +

media queries

= mobile site

="Switchy" layout



approximations based on actual device testing - font rendering **will** vary...

http://colly.com/

http://www.slideshare.net/bryanrieger/rethinking-the-mobile-web-by-yiibu

Instead this

mobile stylesheet +

media queries

= desktop site

= Truly responsive

http://ri.gov

What's the difference?

Graceful Degradation

Build for greatest, downsize for lesser beings.

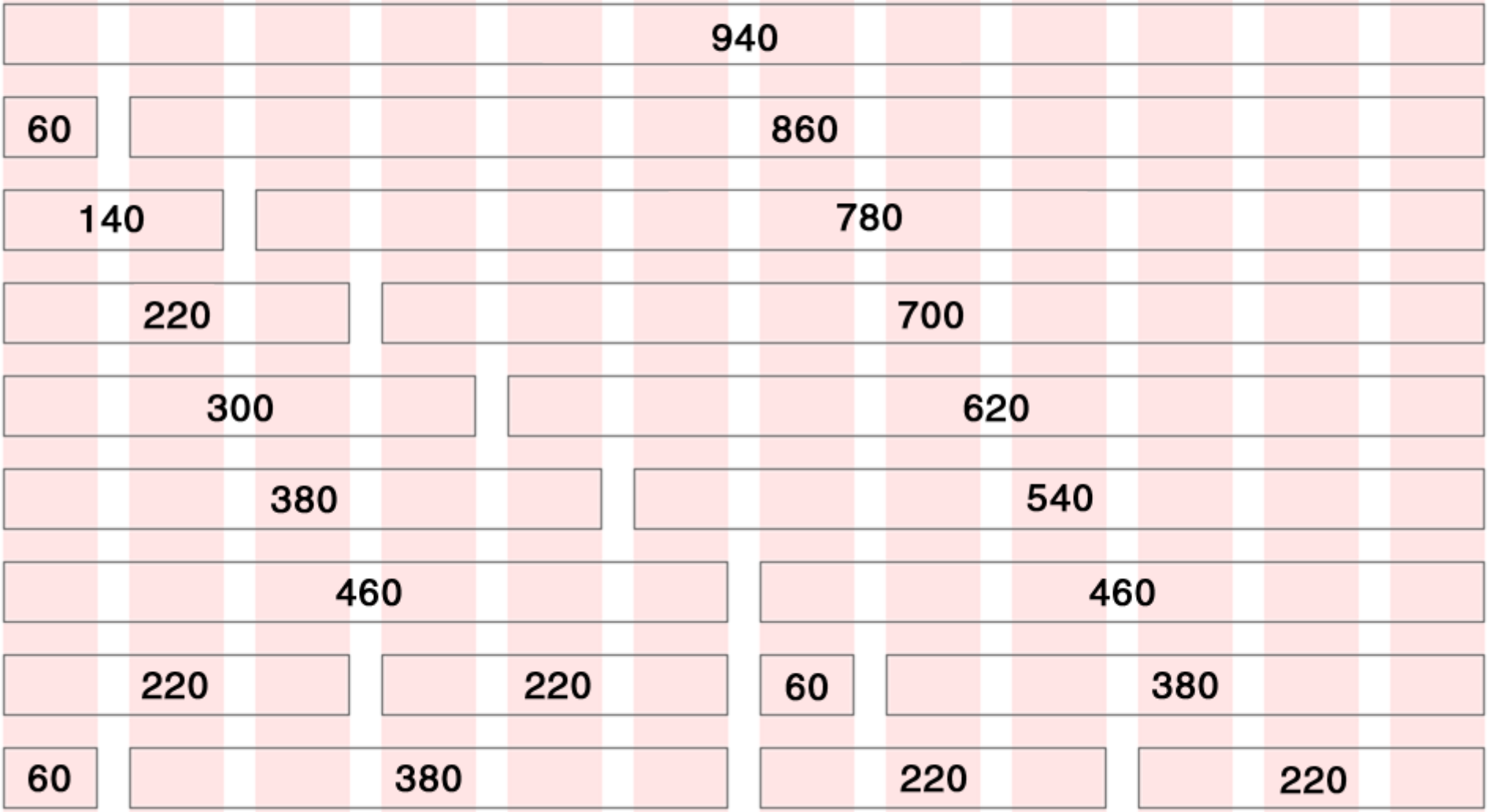
Progressive Enhancement

Play safe. Build for those lesser beings, scale up after.

3 components

1) Flexible grid

12 Column Grid



Flexible & Fluid

- Size everything in ems or percentages
- Flexible: Ems for everything
- Fluid: Percentages for width, ems for height

Various grids

- http://delicious.com/denisejacobs/grid

2) Flexible images

Flexible Images: Foreground

```
img   {width: 100%;
       max-width: 100%;}
```

Responsive foreground images

Responsive Images Test Page

In supported browsers, the following image will load either small or large version depending on screen resolution, making a single 1kb request before requesting the appropriate size.

Photo credit (CC): Cia de Foto Flickr Creative Commons

https://github.com/filamentgroup/Responsive-Images

Flexible Images: Background

Use background-position to selectively crop your backgrounds

Simply Responsive CSS3

W3C Candidate Recommendation

3) @media queries

Media Queries

W3C Candidate Recommendation 27 July 2010

This Version:
http://www.w3.org/TR/2010/CR-css3-mediaqueries-20100727/
Latest Version:
http://www.w3.org/TR/css3-mediaqueries/
Previous Version:
http://www.w3.org/TR/2009/CR-css3-mediaqueries-20090915/
Editors:
Håkon Wium Lie <howcome @opera.com>
Tantek Çelik <tantek @cs.stanford.edu>
Daniel Glazman <daniel.glazman @disruptive-innovations.com>
Anne van Kesteren <annevk@opera.com>

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Abstract

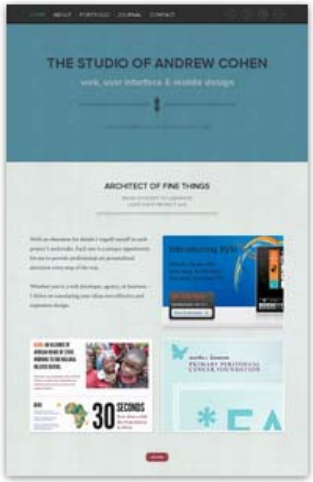
HTML4 and CSS2 currently support media-dependent style sheets tailored for different *media types*. For example, a document may use sans-serif fonts when displayed on a screen and serif fonts when printed. 'screen' and 'print' are two media types that have been defined. *Media queries* extend the functionality of media types by allowing more precise labeling of style sheets.

A media query consists of a media type and zero or more expressions that check for the conditions of particular *media features*. Among the media features that can be used in media queries are 'width', 'height', and 'color'. By using media queries, presentations can be tailored to a specific range of output devices without changing the content itself.

Status of this document

@media queries

@media queries are now being used as a basis for responsive web design: web interfaces that change with the size (and orientation) of the device.



How do they work?

Through media queries, the browser is served different styles or stylesheets based on the dimensions and the device.

The `@media` construct allows style sheet rules for various media in the same style sheet.

An `@media` rule specifies the target media types (separated by commas) of a set of statements (delimited by curly braces).

Simple @media rule examples

```
@media print {
   body { font-size: 10pt }
 }

 @media screen {
   body { font-size: 13px }
 }

 @media screen, print {
   body { line-height: 1.2 }
 }
```

@media queries

Example:

```
/* Smartphones (portrait and landscape) -
  ---------- */
@media only screen
and (min-device-width : 320px)
and (max-device-width : 480px)
{
/* Styles */
}
```

@media queries: Browser compatibility

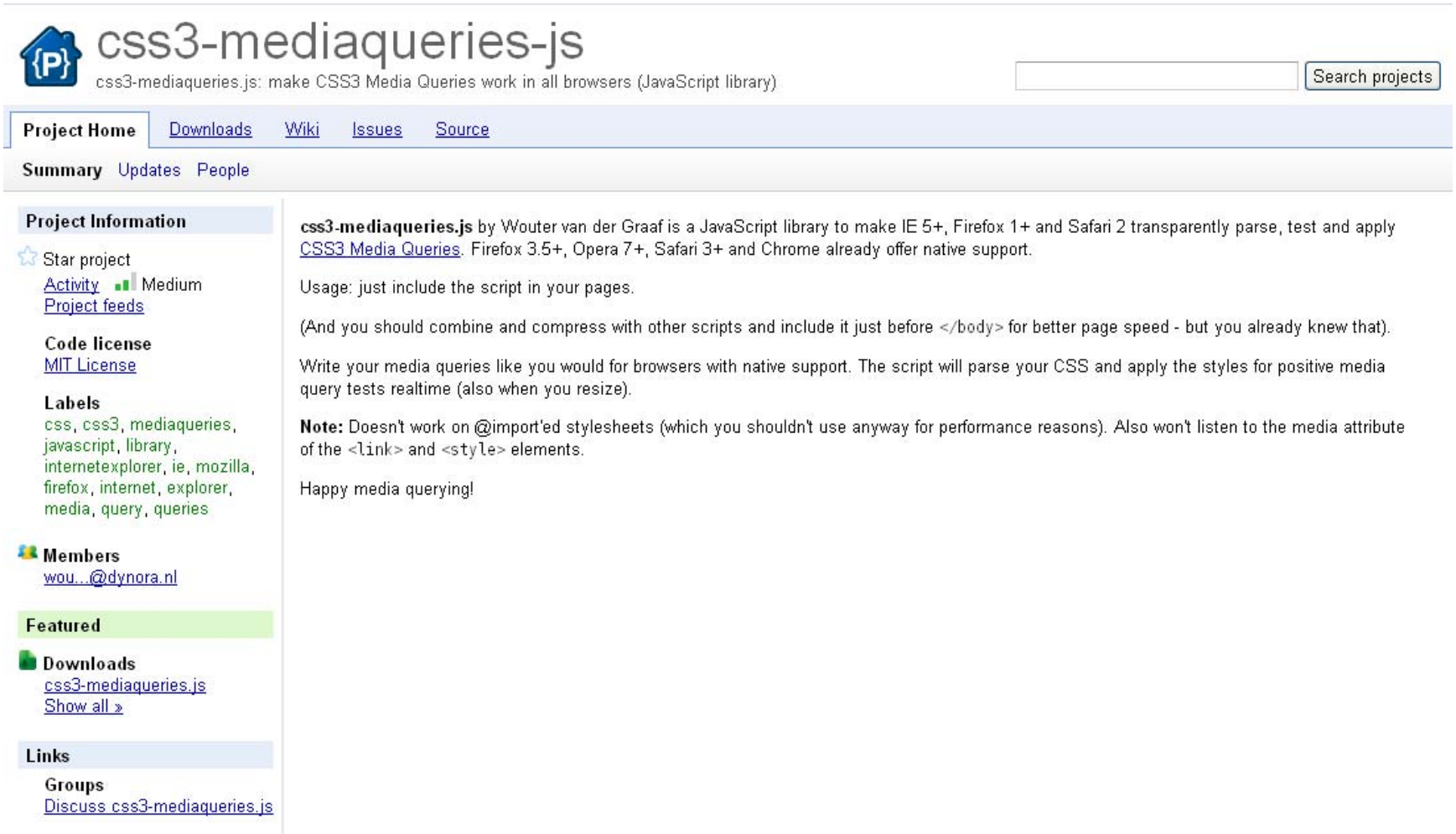
Yep

- IE 9
- Opera 9.5+
- Opera Mobile
- Safari 3+
- Firefox 3.5+
- Chrome

Nope

- IE 8, 7, 6
- Safari 2
- Firefox 1, 2

Css3-mediaqueries.js



css3-mediaqueries-js

css3-mediaqueries.js: make CSS3 Media Queries work in all browsers (JavaScript library)

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Project Information

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Project feeds

Code license

MIT License

Labels

css, css3, mediaqueries, javascript, library, internetexplorer, ie, mozilla, firefox, internet, explorer, media, query, queries

Members

wou...@dynora.nl

Featured

Downloads

css3-mediaqueries.js

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Links

Groups

Discuss css3-mediaqueries.js

css3-mediaqueries.js by Wouter van der Graaf is a JavaScript library to make IE 5+, Firefox 1+ and Safari 2 transparently parse, test and apply CSS3 Media Queries. Firefox 3.5+, Opera 7+, Safari 3+ and Chrome already offer native support.

Usage: just include the script in your pages.

(And you should combine and compress with other scripts and include it just before `</body>` for better page speed - but you already knew that).

Write your media queries like you would for browsers with native support. The script will parse your CSS and apply the styles for positive media query tests realtime (also when you resize).

Note: Doesn't work on @import'ed stylesheets (which you shouldn't use anyway for performance reasons). Also won't listen to the media attribute of the `<link>` and `<style>` elements.

Happy media querying!

http://code.google.com/p/css3-mediaqueries-js/

Responsive design inspiration

Media Queries

a collection of responsive web designs

submit about contact

The Highway Hurricanes

3

Aaron Shekey

6

Mediaqueri.es

Resources: @media queries

- http://www.delicious.com/denisejacobs/media-queries

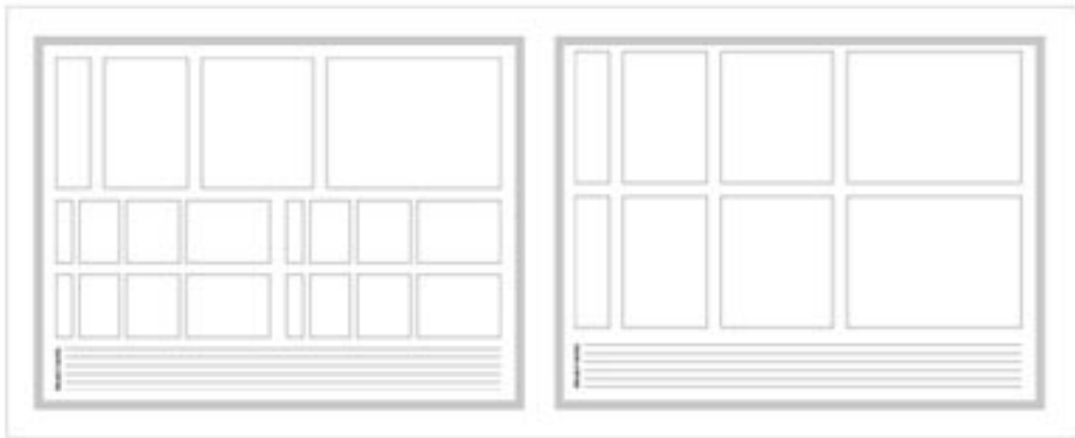
5 Steps

1) Plan the design(s)

jpa | PORTFOLIO What I've Done | WRITING Musings, etc. | BOOKSHELF The Personal Stacks | ARCHJOURNAL NCSU Chronicle | CONTACT Correspondence Info

RESPONSIVE WEB DESIGN SKETCH SHEETS

During Denise Jacobs' workshop on CSS3 at ConvergeSE 2011, I was inspired to make these responsive web design sketch sheets to help think through layouts for various devices. Thought I'd share. *Click on the image below to download the .zip.*

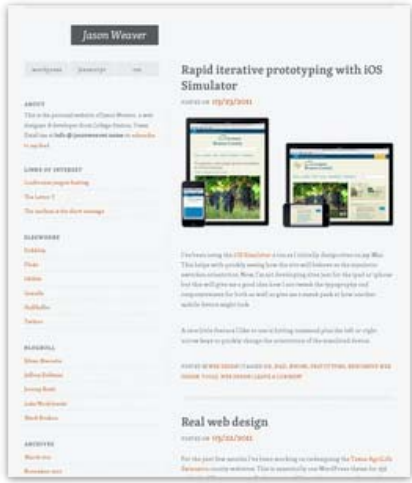


POSTED IN SUMMER BEFORE

http://jeremypalford.com/arch-journal/responsive-web-design-sketch-sheets

Plan the design(s)

- Need to plan out 3-4 iterations of a page design for each resolution/device instead of just one



Calculate

Calculate

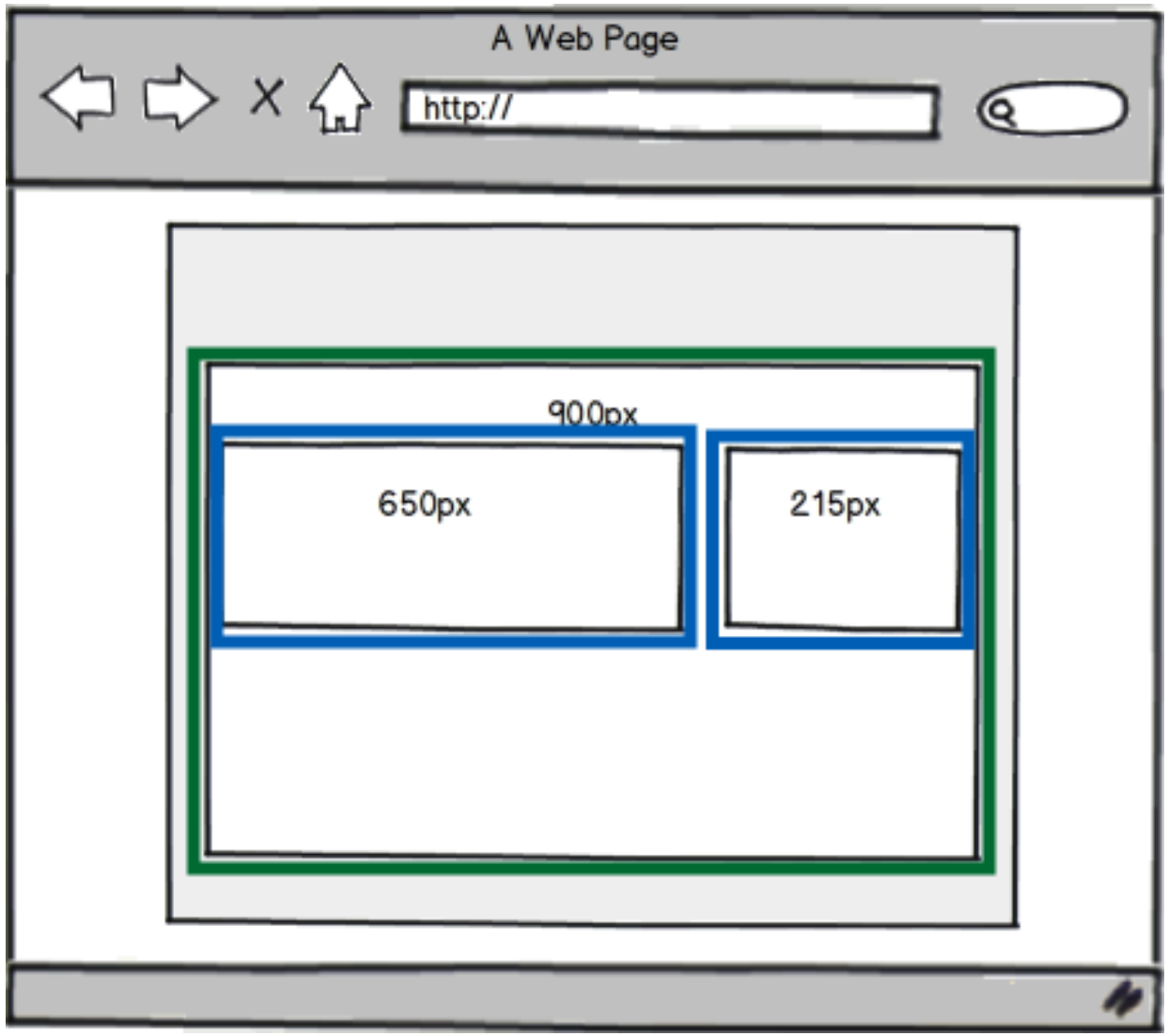
- You need to know dimensions of page elements to be able to calculate proportional relationship of size and margins

- The Golden Formula:

target ÷ context

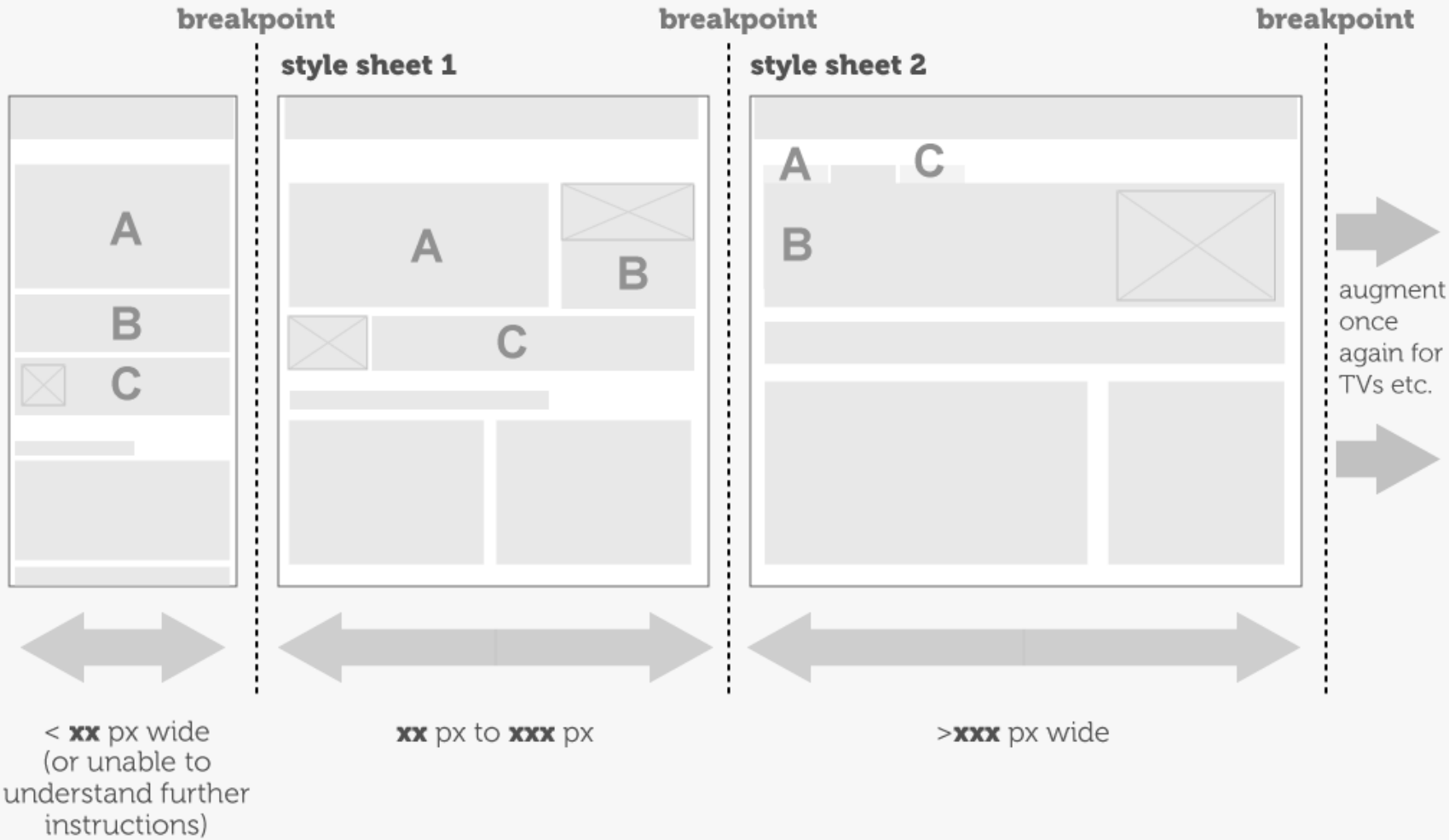
= result

Target, context, and results



3) Determine the breaking points

each style sheet **augments the others**

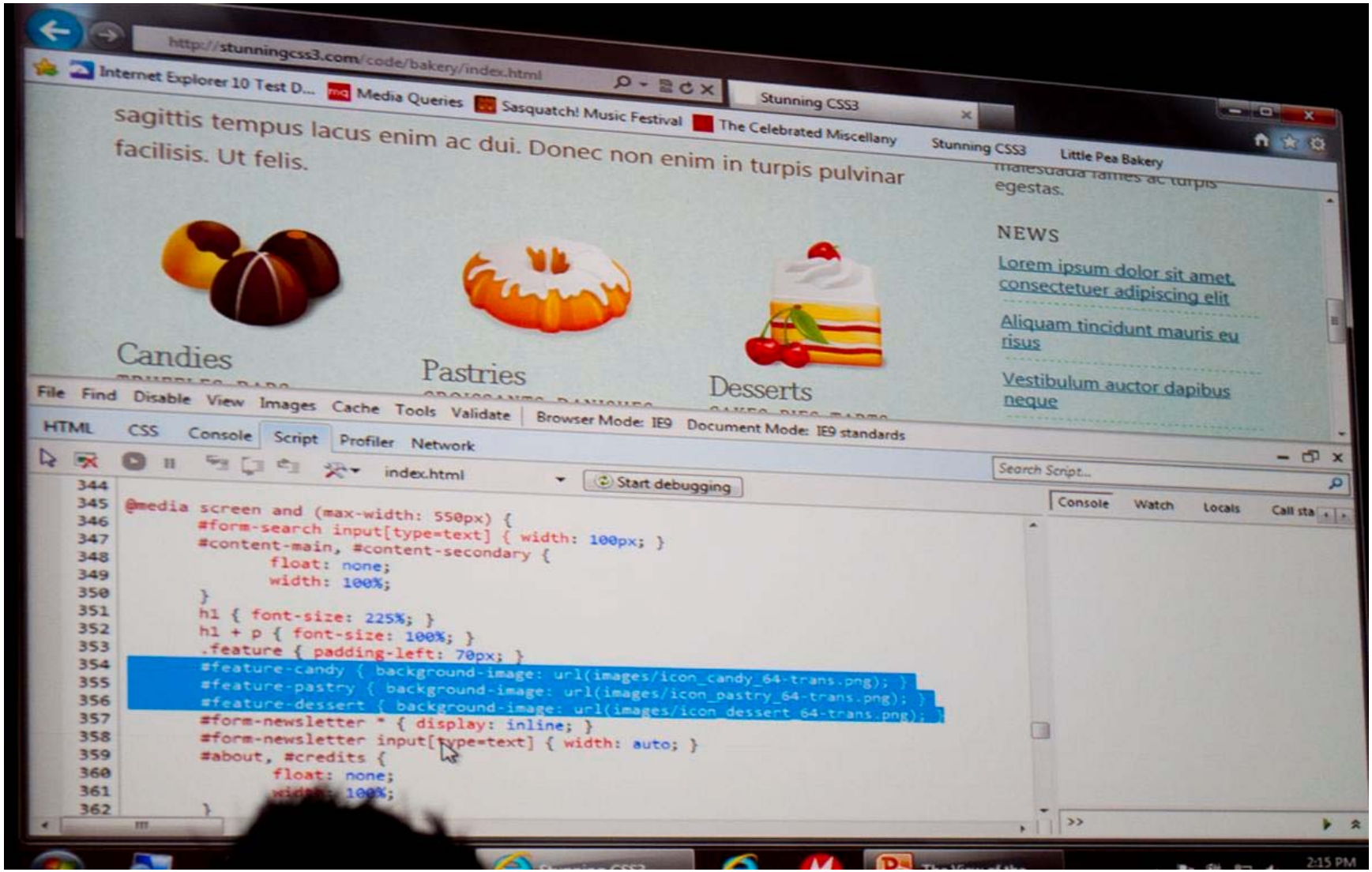


http://www.slideshare.net/yiibu/pragmatic-responsive-design

Some standard sizes to shoot for

- 320 px: smart phones in portrait mode
- 480 px: smart phones in landscape mode
- 600 px: smaller tablets like the Kindle (600 x 800) or Nook (600 x 1024)
- 768 px: tablet in portrait
- 1024 px: tablet in landscape and netbooks
- 1200 px: low end for widescreen displays
- 1600 px: widescreen displays

4) Add media queries



Hardboiled's @media queries: Smartphone

```
/* Smartphones (portrait and landscape) ---------- */
@media only screen
and (min-device-width : 320px)
and (max-device-width : 480px) {
/* Styles */
}

/* Smartphones (landscape) ---------- */
@media only screen
and (min-width : 321px) {
/* Styles */
}

/* Smartphones (portrait) ---------- */
@media only screen
and (max-width : 320px) {
/* Styles */
}
```


http://stuffandnonsense.co.uk/blog/about/hardboiled_css3_media_queries/

Hardboiled's @media queries: iPad

```
/* iPads (portrait and landscape) ---------- */
@media only screen
and (min-device-width : 768px)
and (max-device-width : 1024px) {
/* Styles */
}

/* iPads (landscape) ---------- */
@media only screen
and (min-device-width : 768px)
and (max-device-width : 1024px)
and (orientation : landscape) {
/* Styles */
}

/* iPads (portrait) ---------- */
@media only screen
and (min-device-width : 768px)
and (max-device-width : 1024px)
and (orientation : portrait) {
/* Styles */
}
```


http://stuffandnonsense.co.uk/blog/about/hardboiled_css3_media_queries/

Hardboiled's @media queries: Other

```
/* Desktops and laptops ----------- */
@media only screen
and (min-width : 1224px) {
/* Styles */
}

/* Large screens ----------- */
@media only screen
and (min-width : 1824px) {
/* Styles */
}

/* iPhone 4 ----------- */
@media
only screen and (-webkit-min-device-pixel-ratio : 1.5),
only screen and (min-device-pixel-ratio : 1.5) {
/* Styles */
}
```


http://stuffandnonsense.co.uk/blog/about/hardboiled_css3_media_queries/

5) Test & Tweak

Testing, testing, 1-2-3

- Get the design to code and prototype as soon as possible
- Test breaking points
- Make adjustments

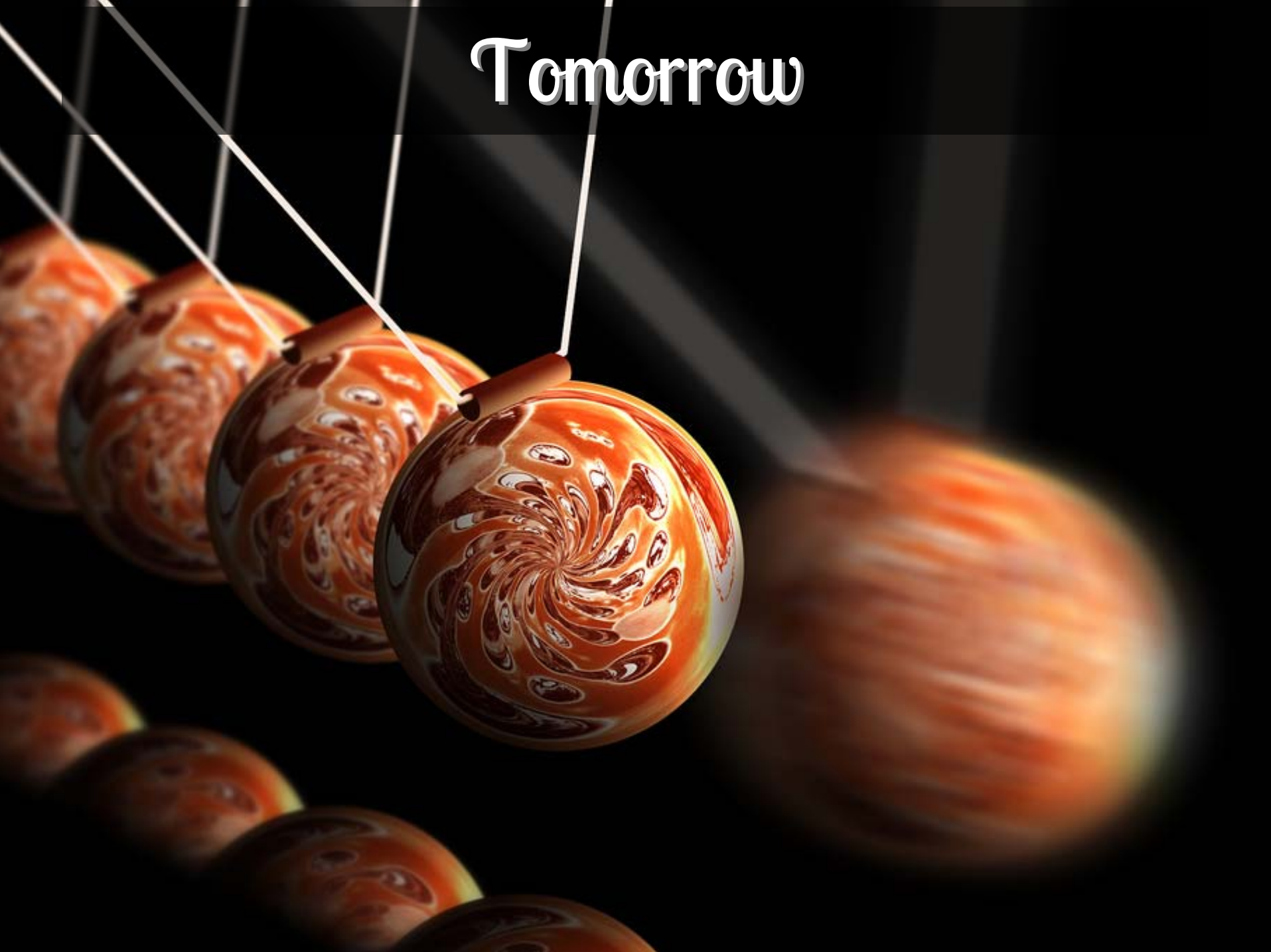
Voilà!

Texas AgriLife Extension Service
AgriLIFE EXTENSION
in Brazos County
Contact
Events
Newsletters
Publications
Links
Search
Watch
Read
Listen
Publications
ATTEND & ENGAGE
May
10
4-H Food
Show
SIGN UP
About Brazos County
AgriLIFE EXTENSION
in Chambers County
4-H Food Show
Dr. O. D. Butler Forage Field
Day

The End?

Today

Put yourself into


Tomorrow

This is just the beginning!

My Delicious links are HUGE compendia of all things related to CSS3, updated as I find new articles, resources and tools!

http://delicious.com/denisejacobs/css3

http://delicious.com/denisejacobs/css3training

Article-lations

On Netmagazine.com

The top 10 CSS3 techniques

By Denise Jacobs on April 18, 2011 | 8 comments

Tweet Like +1

Denise Jacobs reveals her top tips on how to use the most exciting CSS3 pr and provide fallbacks for older browsers

This article originally appeared in issue 210 of .net magazine - the world's best-sellin magazine for web designers and developers.

While the following list does not include all of the great new properties in the CSS3 specification, this selection of the top 10 will give you a great start with your front-end neither IE6, 7 nor 8 (from here on referred to as "the older IEs") support any of the C properties. IE9 supports several properties and will be indicated.

http://www.netmagazine.com/features/top-10-css3-techniques

21 top tools for responsive web design

By Denise Jacobs on August 23, 2011 | 7 comments

Tweet Like

To get started with building a responsive site, having a strong toolki of difference. Here Denise Jacobs rounds up 21 great tools to aid th making your sites responsive

As introduced/coined by Ethan Marcotte in both his article "Responsive Web as his recently released book, one needs three elements to make a site resp

1. A flexible/fluid grid
2. Flexible images
3. Media queries

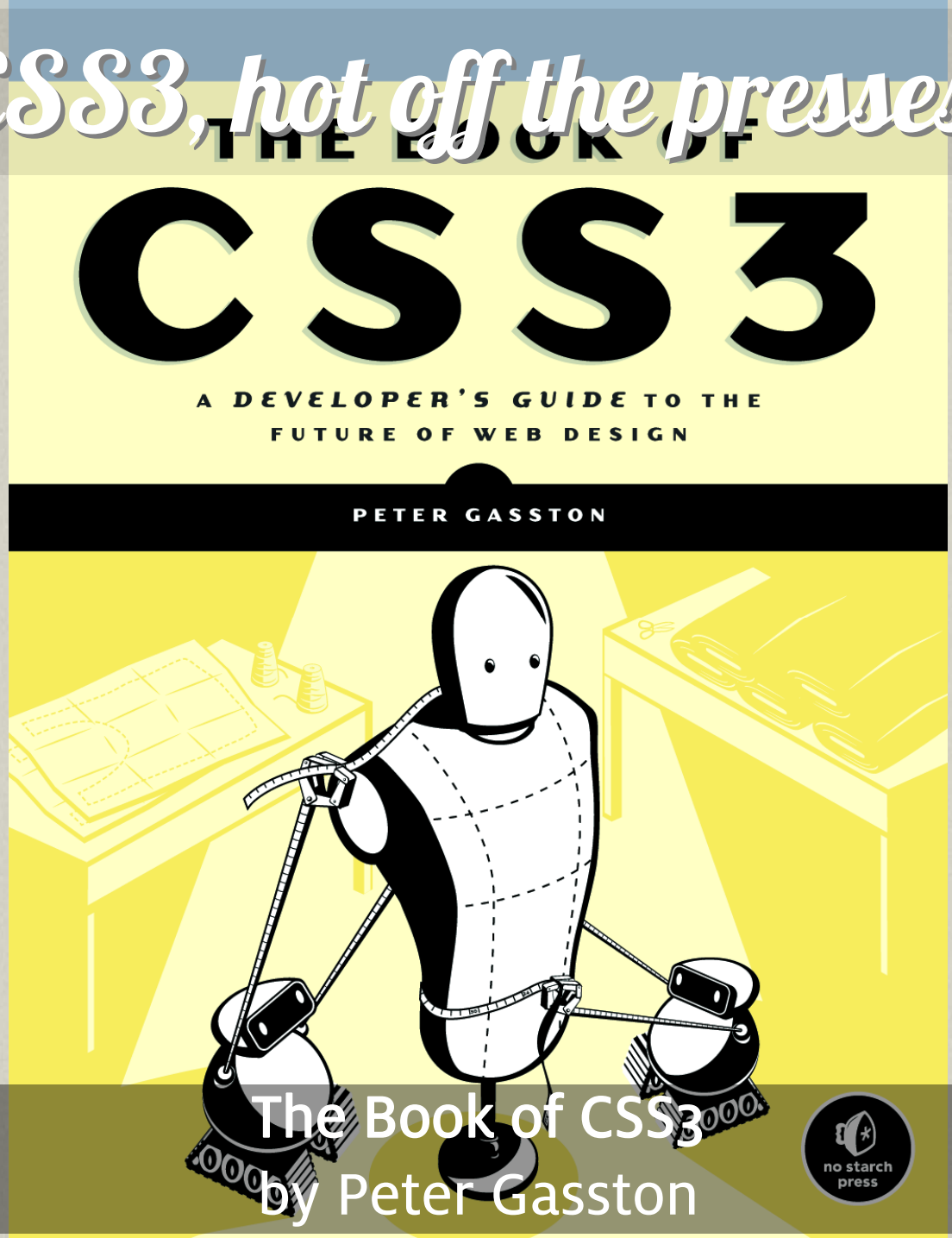
There are plenty of other great articles that cover motives, concepts, and te

http://www.netmagazine.com/features/21-top-tools-responsive-web-design

A library of resources

http://upload.wikimedia.org/wikipedia/commons/e/e2/New_York_State_Library_1900.jpg

CSS3, hot off the presses!

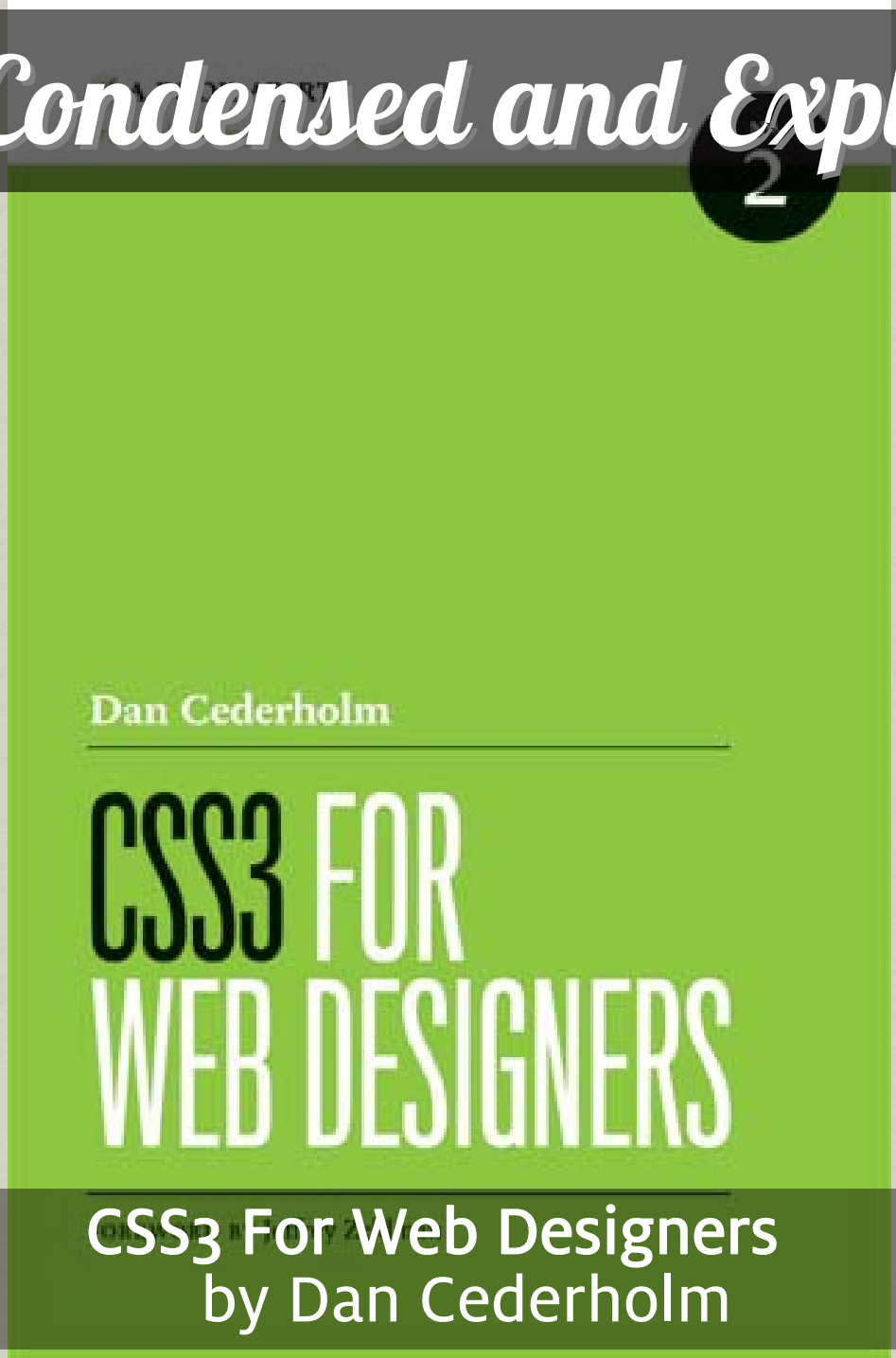


The Book of CSS3
by Peter Gasston

Project-based CSS3

Stunning CSS3
by Zoe Mikely Gillenwater

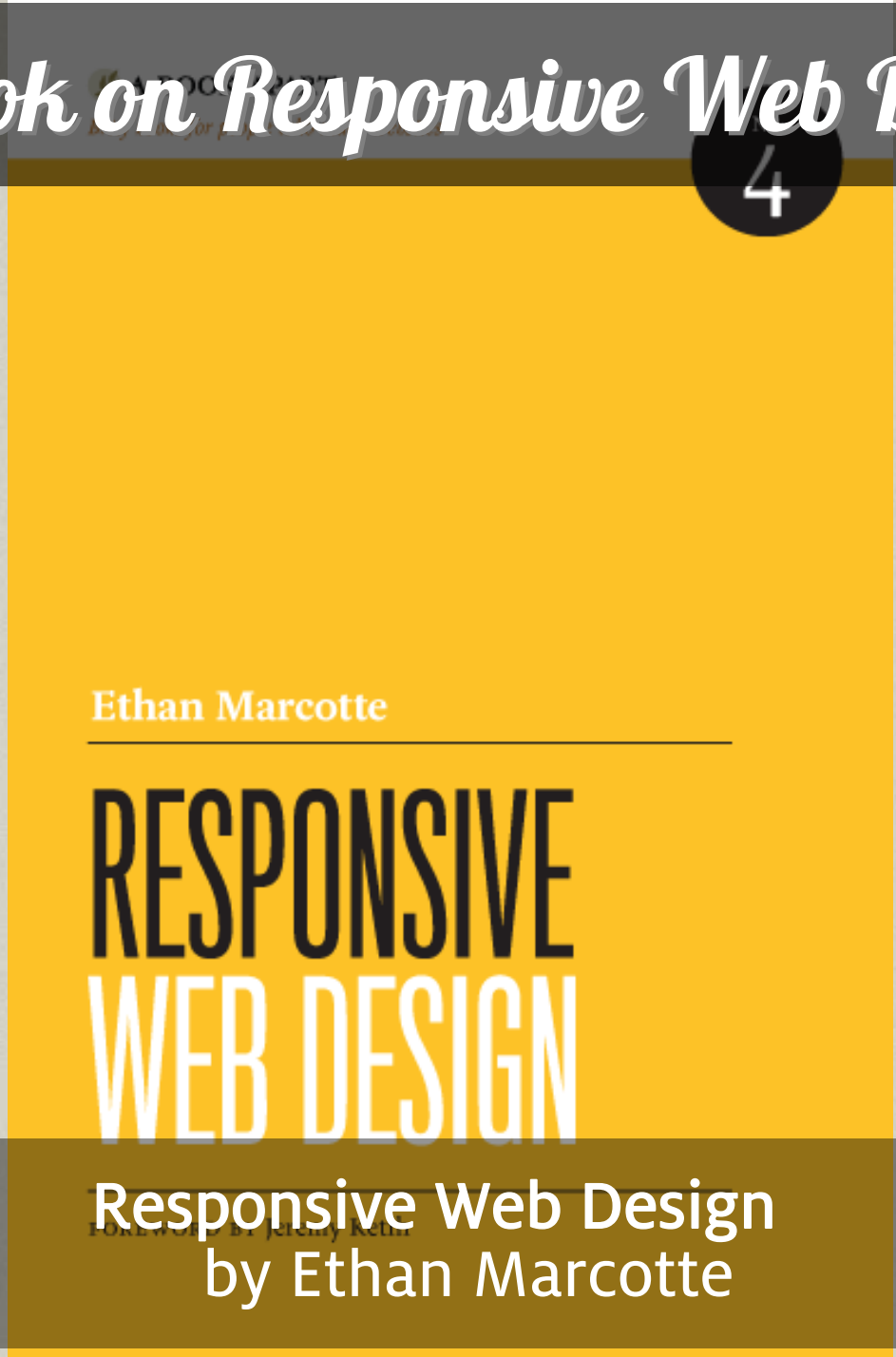
CSS3 Condensed and Explained



CSS3 For Web Designers
by Dan Cederholm

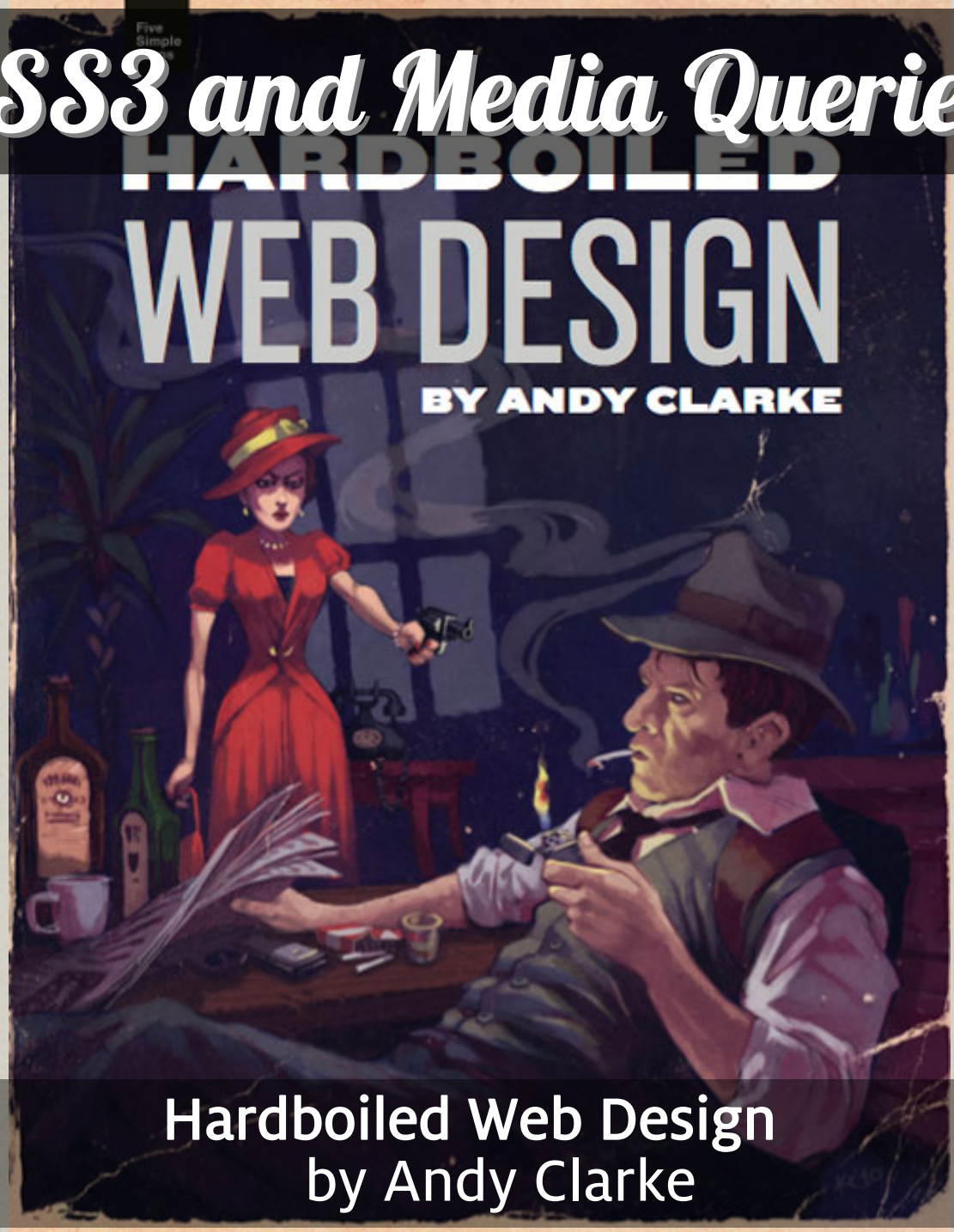
The book on Responsive Web Design

4



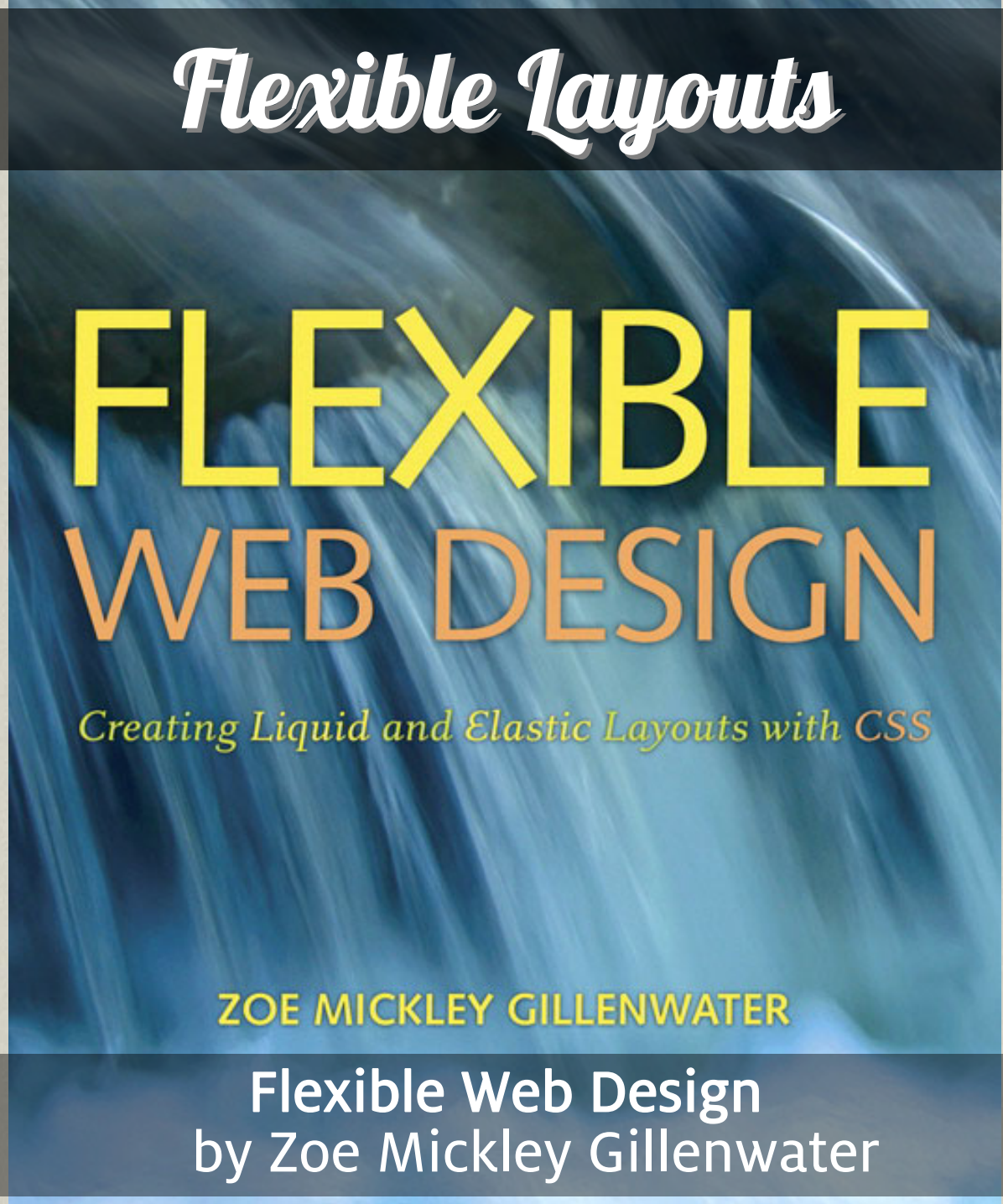
Responsive Web Design
by Ethan Marcotte

CSS3 and Media Queries



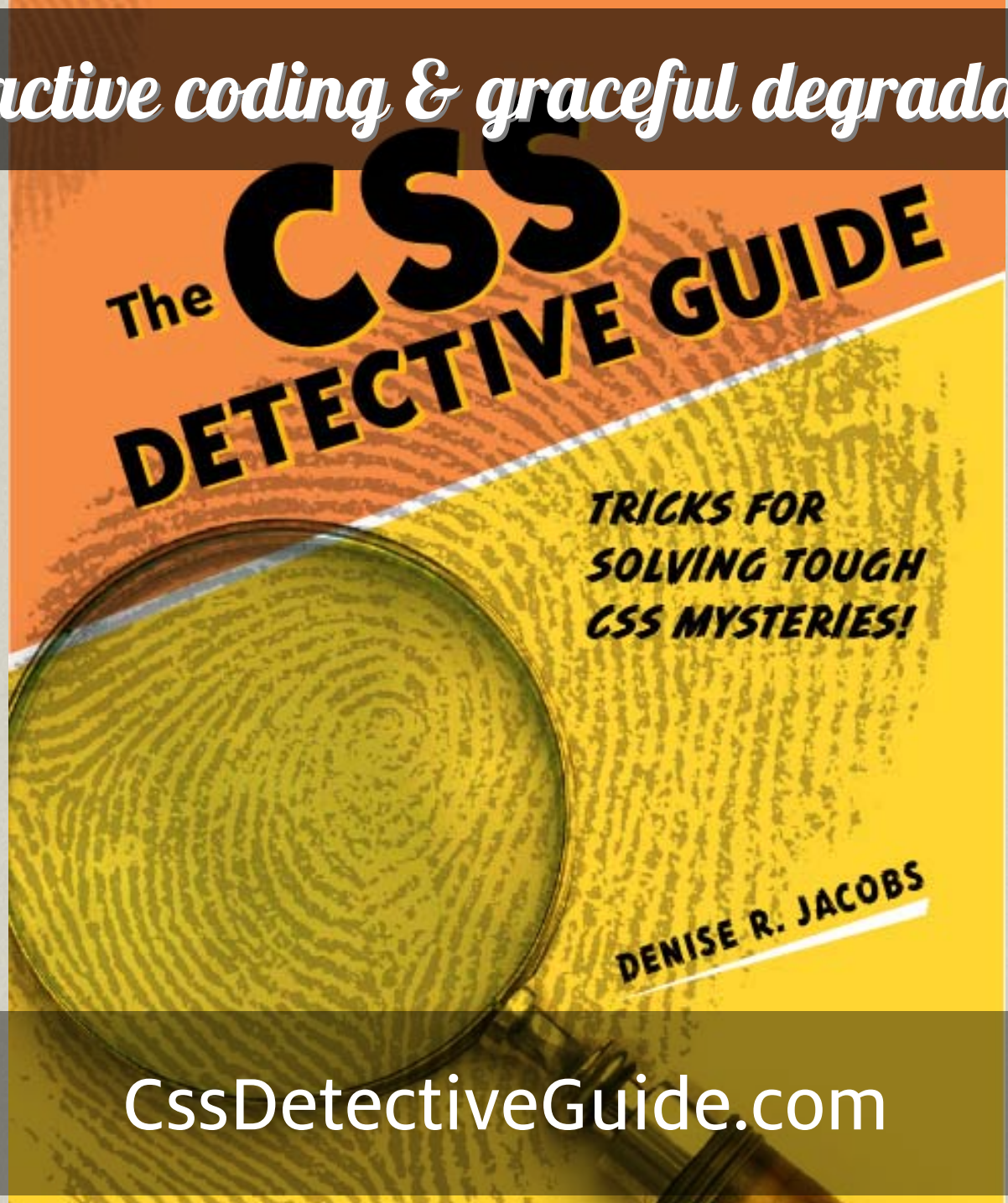
Hardboiled Web Design
by Andy Clarke

Flexible Layouts



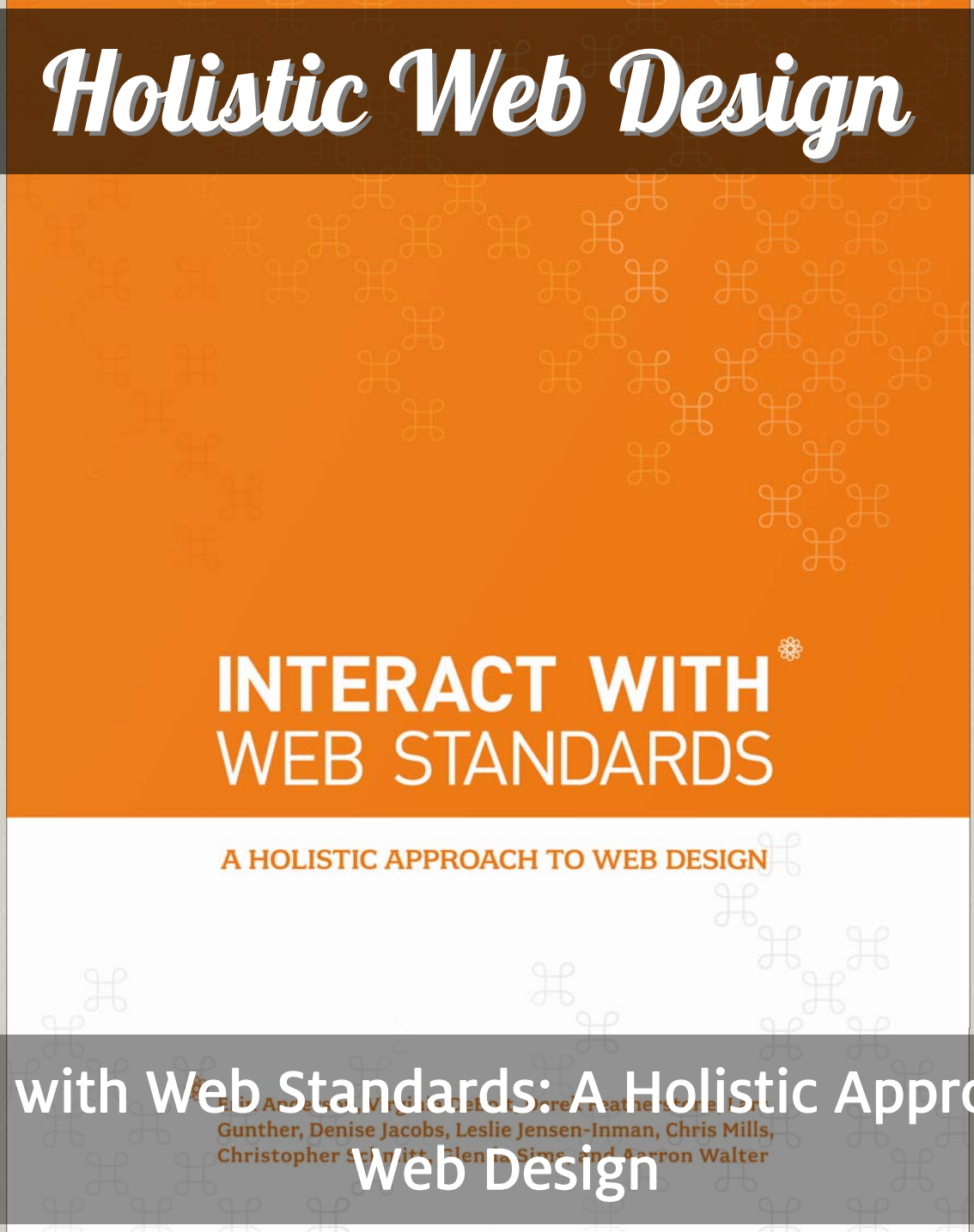
Flexible Web Design
by Zoe Mickley Gillenwater

Proactive coding & graceful degradation

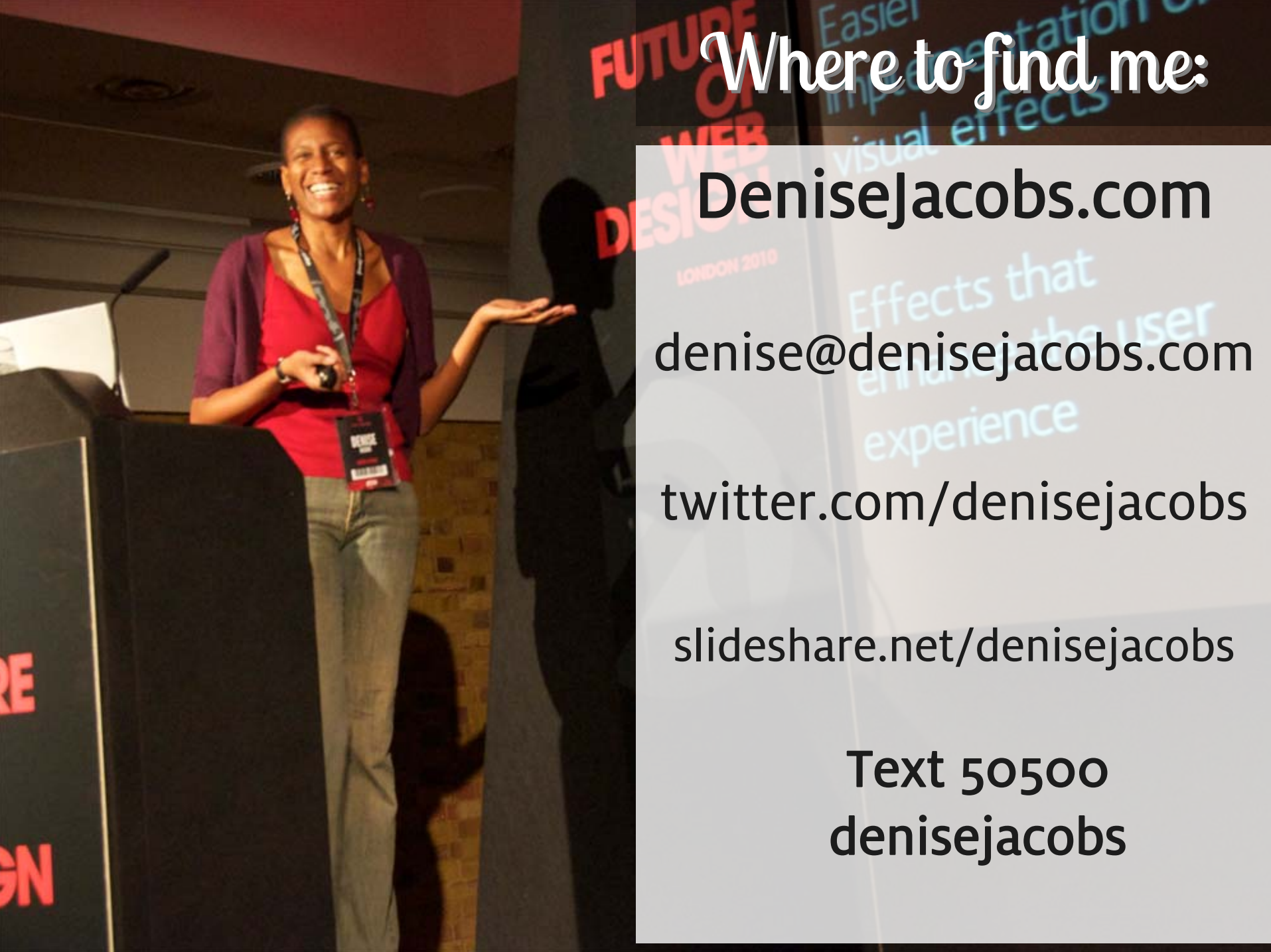


CssDetectiveGuide.com

Holistic Web Design



Interact with Web Standards: A Holistic Approach to Web Design



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denise@denisejacobs.com

twitter.com/denisejacobs

slideshare.net/denisejacobs

Text 50500
denisejacobs

YOU ARE BEAUTIFUL.
THANK YOU.