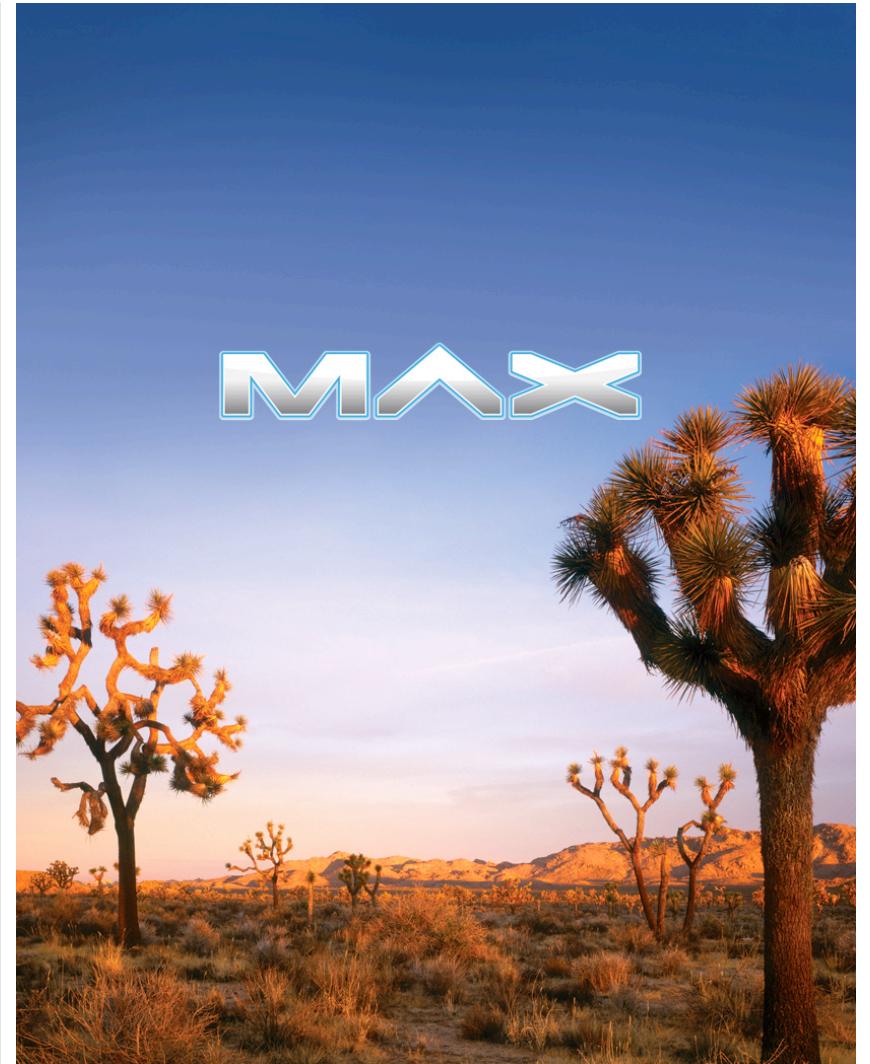


MAX 2006

Beyond Boundaries

Stephanie Sullivan
Corporate Consultant/Trainer
W3Conversions



Biography



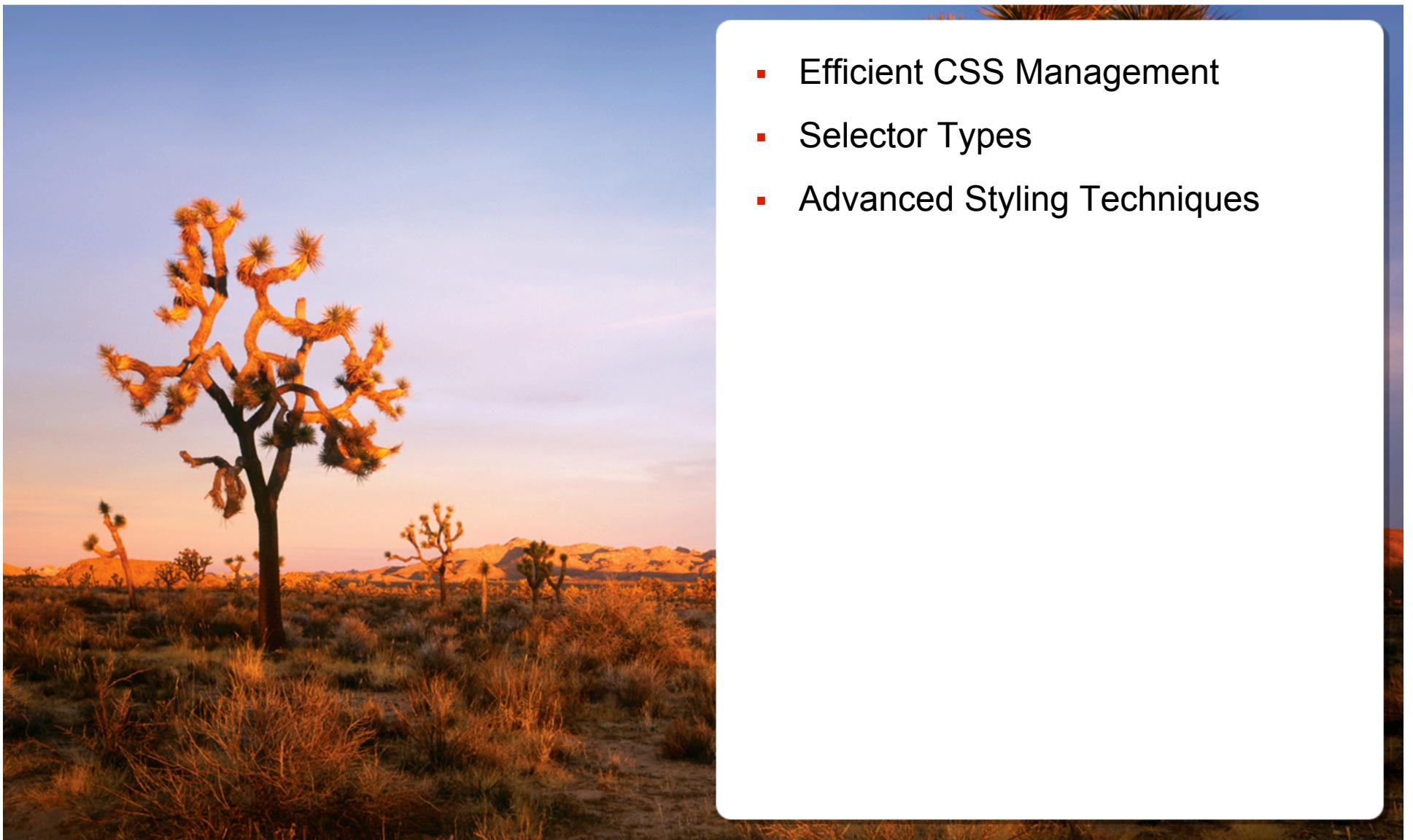
- Founder/Principal - W3Conversions LLC - Web Standards and Accessibility
- Speaker and Corporate Trainer
- Consultant & sub-contractor for XHTML/CSS development
- Adobe Community Expert
- Dreamweaver Task Force for Web Standards Project (WaSP)
- Partner - CommunityMX.com
- Author - DW MX 2004 Magic, Web Developer's & Designer's Journal (formerly MXDJ), Adobe's DevNet Center, and other web publications
- International Advisory Board for Web Developer's and Designer's Journal
- List Mom for WebWeavers & moderator for SEM 2.0



Session Overview



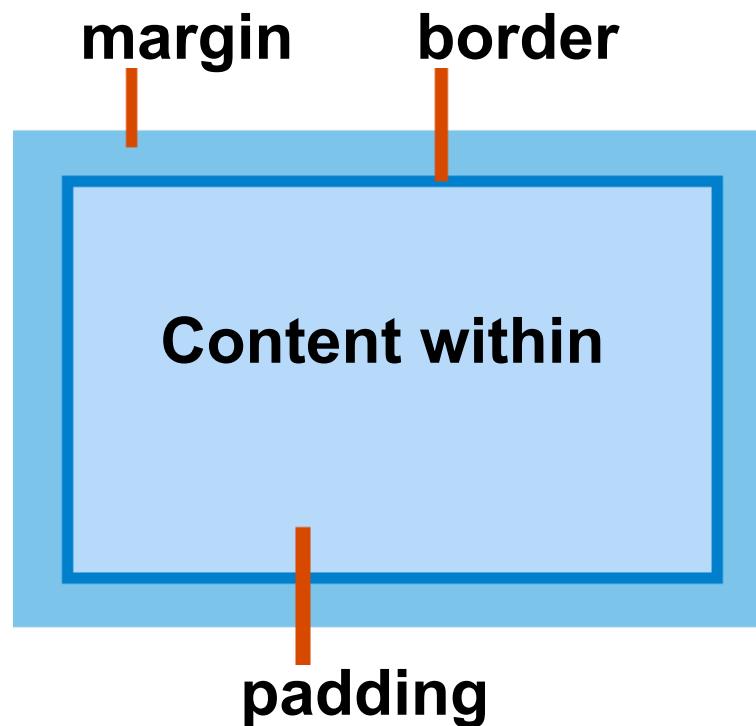
- Efficient CSS Management
- Selector Types
- Advanced Styling Techniques



Quick Review



- What is the Box Model?



Quick Review



- What is an inline element?
- What is a block element?
- What is meant by the “flow of the document?”
- What are the different positioning methods?
 - Static
 - Relative
 - Absolute
 - Fixed

- Selector types
 - Type
body p h1 ul
 - Descendant
#nav a:link #content p.mark body#about .about ul ul li a
 - Child
body > p div ol > li strong p>strong
 - Adjacent Sibling
h3 + h4 ul+p strong + em
 - Attribute
h1[title] a[href=<http://www.communitymx.com/>]
 - Class
.anyname p.red div.box
 - ID
#nav div#mainContent

- How do you write efficient CSS?
 - Start with well-formed, semantic X/HTML
 - Use names that mirror the use, not the placement or style
#nav or #news, not #leftColumn or #rightcolumn
.branding or .current, not .red or .smallGray
 - Avoid “classitis”
 - Begin with type selectors
 - ID all major page divisions
 - Class anything that can be repeated
 - Use descendant selectors instead of classes to target specific elements
 - Follow the order of your X/HTML document to keep CSS logical OR divide your CSS document into a logical structure that works for you. IE: structure, text, links, etc
 - Use shorthand when possible

Real World Examples - W3Conversions



- Faux columns & multiple wrappers

The screenshot shows a website layout for "w3conversions". The header features a large blue poppy flower on the left and the "w3conversions" logo with "Home :: Contact" links on the right. The main content area is titled "Main Content" and contains placeholder text: "Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio. Donec et ipsum et sapien vehicula nonummy. Suspendisse potenti." On the left side, there is a sidebar with links: "Blog", "About Us", "Services", "Portfolio", and "Training".

Real World Examples - W3Conversions



- Faux columns & multiple wrappers

The screenshot shows a website layout with a header featuring a blue background and a floral graphic. Below the header is a navigation menu with links: Blog, About Us, Services, Portfolio, and Training. The main content area is titled "Main Content" and contains placeholder text: "Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio. Donec et". The layout uses a single graphic for the background, creating the effect of multiple columns.

This effect is created with a single graphic on the body element.

Real World Examples - KGS Bikes



Welcome to **KGS BIKES** High Performance Bicycles

My Account | Policy | Site Map | Contact

KGS BIKES
HIGH PERFORMANCE BICYCLES

search

See Also:

[WGAI Living Show Video](#)

View the Gallery

Welcome to KGS Bikes, where we specialize in the best of the best! We bring cycling experts from the pros directly to you. Our expertise in bicycles comes from over twenty years of study and practice on the art of bicycling, from equipment to technique, and from touring to racing.

While we are not "all things to all people," we focus on a few things and do them very well:

> **Precision Laser Fitting with Advanced Video Analysis** - This is the real deal. We spend hours matching your bike to you, then show you how to ride with the latest in pedaling techniques. You will be more comfortable, more efficient, and have more fun.

> **Free Information** to help you learn more about cycling. From detailed galleries showing examples of Concours bikes, to ride galleries, we have an ever-growing library of images to show you how we do things.

> More free information from **Lennard Zinn**, one of the most respected names in cycling. Lennard contributes knowledge on a regular basis.

We will be constantly improving our site, and searching for the very best we can find in order to make your cycling experience the most positive and beneficial activity possible.

View the Gallery

What a bare Parlee looks like after Dave Sem does an "Over the Top" paint job.

Showcase: Parlee Z1 Custom - James

We pulled out all the stops on this 15 pound, 60 cm Parlee Z1.

View the Gallery

Featured Galleries

[Gios Compact 40th Anniversary #13](#) [Zinn Magnesium Aubergine Wheel Update Gallery](#) [Parlee Z1 Show Project](#)

©KGS Bikes, 2006. All rights reserved.

Site Development by [W3Conversions](#).

- More complex faux columns & multiple wrappers

Date published: Aug 7, 2006

Showcase: Parlee Z1 Custom - James

Our resident expert Lennard Zinn discusses the pros and cons of larger wheels for mountain bikes.

Date published: May 16, 2006

Q & A With Lennard Zinn

Technical Q&A with Lennard Zinn: Information and heart attacks; Floyd's position; more on cycling

Date published: Jul 25, 2006

Technical Q&A with Lennard Zinn: Aero components; mysterious white boxes; and your comments on previous columns

Date published: Jul 18, 2006

We pulled out all the stops on this 15 pound, 60 cm Parlee Z1.

Date published: Aug 3, 2006

Improving our site, and searching for the very best we can find in order to make your cycling experience the most positive and beneficial activity possible.

View the Gallery

Featured Galleries

Gios Compact 40th Anniversary #13

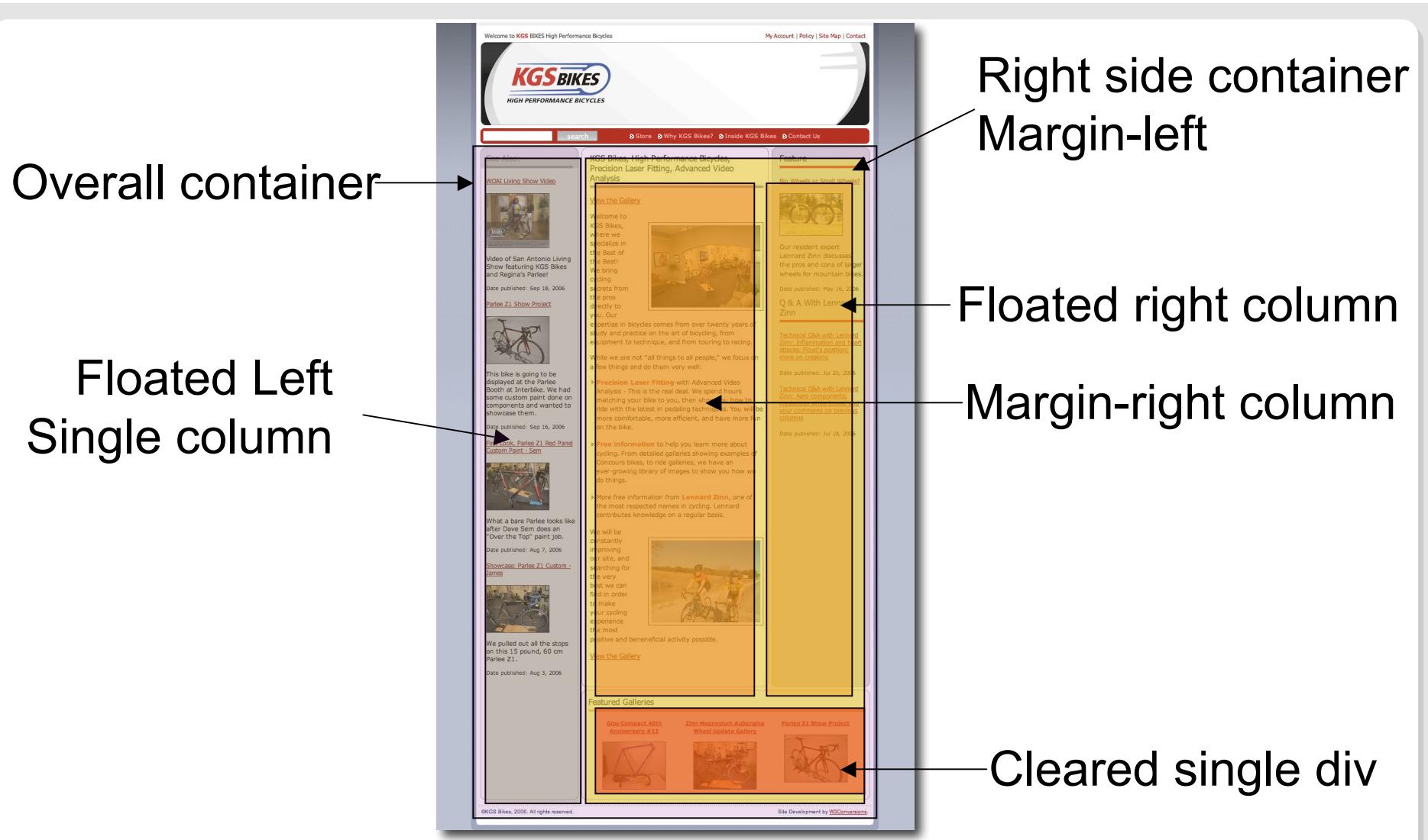
Zinn Magnesium Aubergine Wheel Update Gallery

Parlee Z1 Show Project

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Site Development by [W3Conversions](#).

Multiple Wrappers - Construction



Multiple Wrappers - Images



- Five small images in total

Top cap



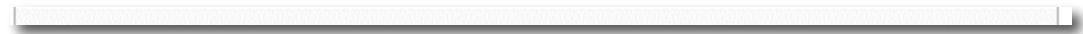
Full page
repeat



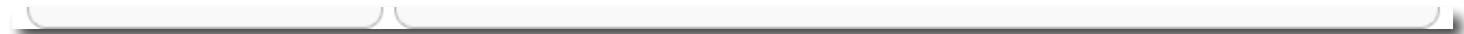
Column switch
(bottom two - top one)



Lower small repeat



Bottom cap



Multiple Wrappers - XHTML



```
<div id="thrcol_main"> ← Full page repeating graphic (repeat-y)
  <div id="thrcol_top"> ← Top cap
    <div id="thrcol_bott"> ← Bottom cap
      <div id="nav">           (no-repeat top left)
        Content for nav
      </div>
      <div id="content">
        <div id="feature">
          Content for feature
        </div>
        <div id="main">
          Content for main
        </div>
        <br class="brclear" />
        <div id="display_main"> ← Lower small repeating graphic
          <div id="display_top"> ← (repeat-y)
            Content for display
          <br class="brclear" />
            </div>
          </div>
        </div>
        <br class="brclear" />
      </div>
    </div>
  </div>
</div>
```

Full page repeating graphic (repeat-y)

Top cap
(no-repeat top left)

Bottom cap
(no-repeat bottom left)

Lower small repeating graphic
(repeat-y)

Column switch
(contains bottom of two columns and top of one)

Real World Examples - Anteo

MAX

- Multiple wrappers - split, reusable background graphics



Real World Examples - Anteo



- Multiple wrappers - navigation graphics

Rollovers



Left side

Right side

Multiple Wrappers - Navigation HTML



```
<div id="navwrap">  
  <div id="nav">  
    <ul>  
      <li id="primalnk"><a href="#">link one</a></li>  
      <li id="cooplnk"><a href="#">link two</a></li>  
      <li id="areeelnk"><a href="#">link three</a></li>  
    </ul>  
    <br class="brclear" />  
  </div>  
</div>
```



Multiple Wrappers - Navigation CSS



```
#nav {  
    background: #E5DDEC url(images/nav_lft.gif) no-repeat left top;  
    padding-left: 18px;  
}  
  
#navwrap {  
    background: #E5DDEC url(images/nav_rt.gif) no-repeat right top;  
    padding-right: 19px;  
}  
  
li#primalnk a {  
    width: 142px;  
    background: #D1C3DE url(images/nav_1.gif) no-repeat;  
}  
  
li#primalnk a:hover, li#primalnk a:active, li#primalnk a:focus, body#primapg li#primalnk a {  
    background: #9677B5 url(images/nav_1_on.gif) no-repeat;  
}
```

Real World Examples - Anteo



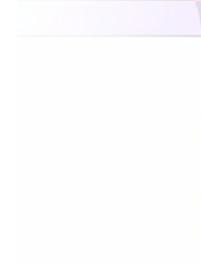
- Split background graphics



tops



Common bottoms



Split Backgrounds



```
<div id="content">  
  <div id="bluepod"> <!-- places colored top -->  
    <div id="pod"> <!-- used on every pod -->  
      <h1>sIFRized header</h1>  
      <p>Content of the pod</p>  
      <br class="brclear" />  
    </div> <!-- closes pod -->  
  </div> <!-- closes bluepod -->  
</div> <!-- closes content -->
```

SUBLEVEL LINK TITLE

HEADLINE TITLE

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Eiusmod tempor incididunt ut labore et dolore. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna link. Eiusmod tempor incididunt ut labore et dolore.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Eiusmod tempor incididunt ut labore et dolore.

- **sIFR**

- Use any font - even when only on your machine
- Uses JavaScript and Flash - falls back to pure text/CSS
- Create Flash swf of a dynamic alphabet
- Insert JavaScript, CSS and tune



SUBLEVEL LINK TITLE

Sari Medium - sIFR



SUBLEVEL LINK TITLE

Helvetica - CSS

- Currently in version 3 beta - you can participate:
- <http://lists.novemberborn.net/mailman/listinfo/sifr3-dev>

Real World Examples - W3Conversions



- Negative body margins

The screenshot shows a website layout with a large blue header section containing a blue flower image. Below the header is a navigation bar with links: Home :: Contact, Blog, About Us, Services, Portfolio, Training, Accessibility, and Archives. The main content area is titled "Main Content" and contains two paragraphs of placeholder text: "Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio. Donec et ipsum et sapien vehicula nonummy. Suspendisse potenti." and "Fusce varius urna id quam. Sed neque mi, varius eget,".

Negative Margins - CSS



```
body {  
    background: #7F98C3 url(..../images/background_body1.jpg) repeat-y  
    center top;  
    margin: 0 0 0 -68px;  
    padding: 0;  
}  
  
#outcontain {  
    width: 770px;  
    margin: 0 auto;  
    background: url(..../images/background_1.jpg) repeat-y top right;  
}  
  
#innercontain {  
    background: url(..../images/top_flower1.jpg) no-repeat top left;  
    padding: 0 10px 0 68px;  
}
```

Real World Examples - W3Conversions



- Negative wrapper margins

The screenshot shows a website layout with a dark purple header containing the 'w3conversions' logo. Below the header is a large white rectangular area. Inside this area, there is a vertical column of text on the left and a horizontal column of text on the right. The text is a mix of different colors (black, orange, blue) and styles (bold, italic). The overall design is clean and modern.

porttitor, felis. Nam b
Quisque ornare risus
purus a augue condin
sagittis. Etiam leo ped
tristique in, vulputate

H3 level heading

lorem ipsum dolor sit
adipiscing elit. Praese
luctus rutrum, erat nu
nonummy quam ante ac
purus, fermentum id,
porttitor, felis. Nam b
Quisque ornare risus
purus a augue condin
sagittis. Etiam leo ped
tristique in, vulputate

The screenshot shows a website layout with a dark purple header containing the 'w3conversions' logo. The page has a three-column layout. The left column contains a 'News' section with some text. The middle column is labeled 'Main Content' and also contains text. The right column contains links to 'Blog', 'About Us', 'Services', 'Portfolio', 'Training', 'Accessibility', 'Archives', 'Resources', and 'FAQ'. At the bottom, there is a 'Select a design:' dropdown set to 'Default Blue' and a copyright notice: '©2005-2006 W3Conversions LLC. All rights reserved.'

News

Third column content goes here as a demonstration of where it would sit in the page.

lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent aliquam, justo convallis lucus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio. Donec et ipsum et sapien vehicula nonummy. Suspendisse potenti.

Fusce varius urna id quam. Sed neque mi, varius eget, tincidunt nec, suscipit id, libero. In eget justo convallis lucus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio.

Main Content

Blog

About Us

Services

Portfolio

Training

Accessibility

Archives

Resources

FAQ

Select a design:

Default Blue

H2 level heading

lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent aliquam, justo convallis lucus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio.

H3 level heading

lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent aliquam, justo convallis lucus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio.

Negative Margins - Images



- Three images in total

Left side

Full page repeat

Footer bottom cap

Negative Margins - CSS



```
body {  
    margin: 0;  
    padding: 0;  
    background: #7A6977 url(..../images/background_body4.jpg) repeat-y;  
}  
  
#outcontain {  
    width: 762px;  
    background: url(..../images/foot_btm4.jpg) no-repeat 81px 100%;  
}  
  
#container {  
    background: url(..../images/bldg_side4.jpg) no-repeat 0px 100%;  
    margin: 0 0 -25px; /*pulls bottom margin up so dropshadow doesn't show */  
}  
  
#innercontain {  
    background: url(..../images/top_bldg4.jpg) no-repeat top left;  
    padding: 0 10px 35px 81px; /*padding to keep footer text on white */  
}  
  
<div id="outcontain"> (contains bottom footer shadow)  
  <div id="container "> (has negative bottom margin and side graphic)  
    <div id="innercontain">
```

Real World Examples - W3Conversions



- Overall width based on user's default font size

The screenshot shows a website layout for "w3conversions". The header features a blue gradient background with the site name "w3conversions" in white and pink. Below the header is a navigation bar with links: Home :: Contact, Blog, About Us, Services, Portfolio, Training, Accessibility, Archives, Resources, and FAQ. A sidebar on the left contains a "Select a design:" section with options: Default Blue, Purple Daisy, DaVinci, and Big Ben. It also includes a small image of a pen and a section titled "They Said:" with placeholder text. The main content area has a large heading "Take the High Road..." followed by two columns of placeholder text. To the right, there are sections for "News:" (with items for Nov 22, 2006 and Nov 14, 2006) and "Events:" (with items for Nov 24, 2006 and Nov 12, 2006). A small globe icon is located at the bottom of the news/events sidebar.

Overall Width Based on EM Units



- If user's default font size is larger, page width increases

The image shows two side-by-side screenshots of a website for "w3conversions". Both screenshots feature a dark header with the "w3" logo and a navigation menu on the left. The left screenshot shows a single news item in a box. The right screenshot shows multiple news items listed vertically. The main content area contains placeholder text (Lorem ipsum...) and headings (H2, H3). A sidebar on the left includes a "Select a design:" dropdown and a pen icon. The right screenshot also features a sidebar with news and events sections.

Take the High Road...

News:

» Nov 22, 2006

This is the news item that links to more and more and more. This is the news item that links to more and more and more.

Take the High Road...

News:

» Nov 22, 2006

This is the news item that links to more and more and more. This is the news item that links to more and more and more.

» Nov 14, 2006

This is the news item that links to more and more and more.

Events:

» Nov 24, 2006

This is the news item that links to more and more and more.

» Nov 12, 2006

This is the news item that links to more and more and more.

Overall Width Based on EM Units



```
#innercontain {  
    width: 67em;  
    max-width: 1024px;  
    min-width: 600px;  
    text-align: left;  
    font-size: 0.7em;  
    margin: 0 auto;  
    background: url(..../images/tile.jpg) repeat-x;  
}
```

To force IE6 and below to do min-width and max-width, use an IE Conditional Comment and an expression (they're supported in IE7):

```
<!--[if lt IE 6]-->  
#innercontain {  
    width:expression(document.body.clientWidth < 600? "600px" :  
        document.body.clientWidth > 1200? "1200px" : "auto");  
}  
<![endif]-->
```

Real World Examples - FlexRight



- Local directory-based CSS, descendant selectors and AP divs



- Introduction
- Health Care
- Dependent Care
- Commuter Assist
- I'm Interested

Sounds great, I'd like to find out the specifics for my business.
[Please contact me >](#)

[Account Login](#) | [Home](#) | [Site Map](#) | [Contact Us](#)

RIGHT PLANS
RIGHT NOW



FlexRight Offers Three Health Care Options:

FlexRight MedFlex Account (FSA)

These plans, often called cafeteria plans, flex plans or Section 125 plans, have been available longer than the other flexible benefit options, but still hold strong appeal. With the right plan design, they can be used in conjunction with some of the newer options like health reimbursement arrangements and health savings accounts. FlexRight offers three Flexible Spending Account options:

1. Pre-Tax Premium Payment
2. MedFlex Account

Health Reimbursement Arrangement (HRA)

An HRA account is funded by the employer and is used to pay healthcare-related expenses. The reimbursements are not tax-free for the employee and are tax deductible for the employer. The most cost-effective way to use an HRA is in combination with a higher deductible health plan. An employee benefits from lower premium cost, but the higher deductible coverage is cushioned with HRA dollars. [More...](#)



[Account Login](#) | [Home](#) | [Site Map](#) | [Contact Us](#)

RIGHT PLANS
RIGHT NOW



Introduction

Why FlexRight?

About Us

Contact Us

About FlexRight

FlexRight is a service of Workable Solutions, Inc., a third-party administrator based in Orlando, Florida. Workable Solutions has been providing innovative benefit solutions to employers and their employees since 1997.

FlexRight is unique. While a lot of administrators offer flexible benefit products, FlexRight actually makes them work. We have the right combination of plan options, automated tools and streamlined processes to make consumer-driven benefits a real, affordable choice, no matter how big or small your company may be.

The right plans, with the right tools, at the right price. Real employee benefits that actually save the employer money too!



[CLICK HERE TO CHAT WITH US](#)

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[Privacy Statement](#) | [Terms of Use](#)

Local/Directory-based CSS



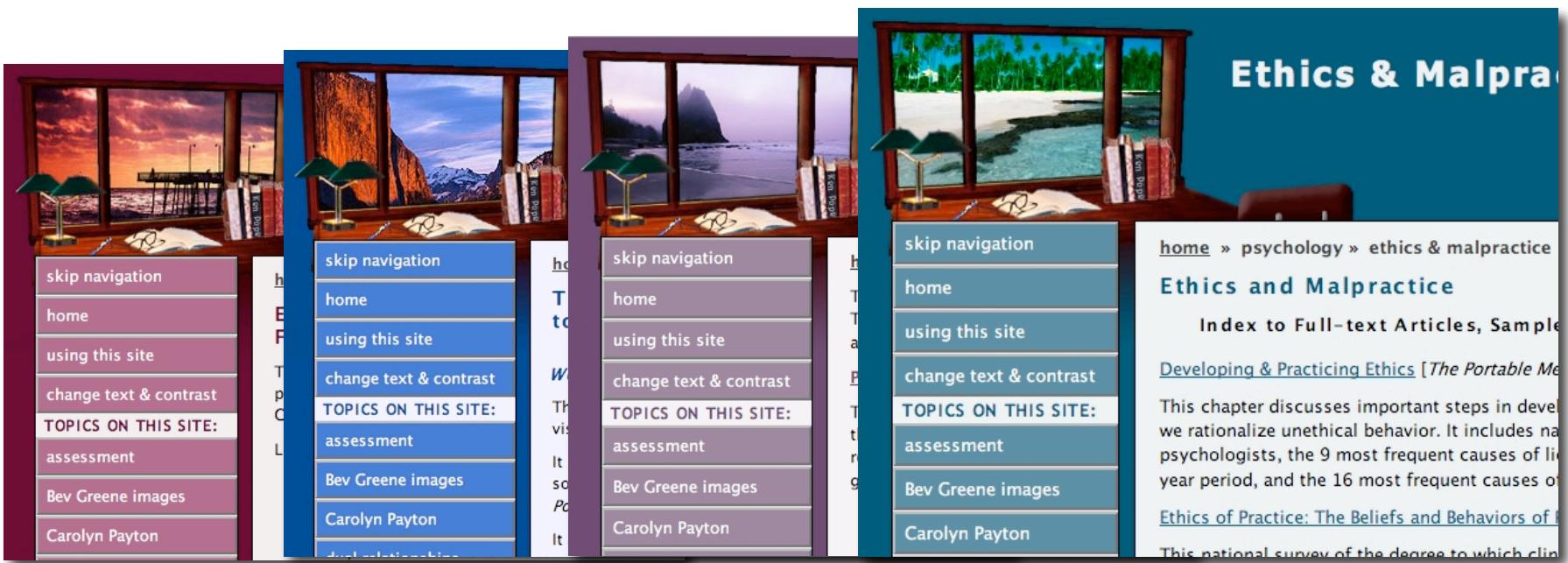
- Site is based on a DW template and CSS is broken into two pages
 - flex.css (main structure and all universal selectors) - root relative
 - local.css (placed in individual directories - contains color only) - document relative

```
<link href="local.css" rel="stylesheet" type="text/css" />
<link href="/flex.css" rel="stylesheet" type="text/css" />
```

Local/Directory-based CSS



- KSPope.com (more complex)
- Same theory but six in each directory due to accessibility style switcher



Descendant Selectors - control columns



- Create two or three columns - three columns is the template default X/HTML

```
<body class="two">

#faux {
    background: url(images/divider.gif) repeat-y 498px 0px;
    margin: 25px 0;
}

body.two #faux {
    background: url(none);
}

body.two #callout {
    display:none;
}
```

Descendant Selectors - Page Indicator



- Navigation/Site section indicator (you are here)

```
<body id="employer" class="two">  
<li id="employerlnk"><a href="index.htm">RIGHT FOR EMPLOYERS</a></li>
```

```
body#employer #employerlnk a {  
    /*selectors for button */
```

```
}
```



- Pay attention to specificity

```
#about .about a  
body#aboutpg #nav li#aboutlnk a
```

Absolutely Positioned (AP) divs



- Navigation bar
 - Dual wrappers for “end caps”
 - grey color between as background color
 - logo placed over the bar as an AP image



- AP elements
 - are positioned within the last positioned parent (relative)
 - should be used sparingly and appropriately
 - should rarely contain resizable content like text
 - should not be routinely styled inline (DW layers)

Summary



- Take advantage of the flow of the document
Go with the flow -- not against it
- Use creative methods of display:
 - Multiple divs and backgrounds
 - Negative margins
 - Faux backgrounds
 - Use expandable layouts based on text sizing
 - Break-up CSS and background images
 - Get to know sIFR
- Validate pages and be sure you actually have a bug using DW's CSS panel and visualization features
- Use snippets to speed up work

Resources



- Position is Everything
<http://www.positioniseverything.net/>
- Mac IE 5: oddities
<http://l-c-n.com/IE5tests/>
- Community MX
<http://communitymx.com/>
- CSS Zen Garden
<http://csszengarden.com/>
- W3Conversions
<http://w3conversions.com/>
- sIFR Information
<http://novemberborn.net/sifr3/alpha>
- CSS-discuss Wiki
<http://css-discuss.incutio.com/>



Better by Adobe.TM