

CSS Body background Specifications

- ❖ **background-color**
body { background-color: #FF99CC; }
- ❖ **background-image** (tiled x and y directions)
body { background-image: url(wpBubbles.jpg); }
- ❖ **background-repeat** [repeat-x | repeat-y | no-repeat]
body { background-repeat: repeat-y; }
- ❖ **background-attachment** [fixed, scroll]
body { background-attachment: fixed; }
- ❖ **background-position** [% | <length> | top | center | bottom] [left | center | right]
body { background-position: 10px 20px; }
- ❖ **Combined background property**
body { background: #FF99CC url(wpBubbles.jpg) repeat-y bottom left fixed; }

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CSS Body background Example

This is a test of CSS selectors

It is an important issue if styles will combine.

```

<head>
<title>Selector Test</title>
<style type="text/css"> <!--
  body {
    background-image: url(wpBubbles.jpg);
    background-color: #990000;
    color: #009900;
  }
  .important { text-decoration: underline; }
  em.important { color: #FF0000; }
--> </style>
</head>
<body>
<h2 class="important">This is a test of CSS selectors</h2>
<p>It is an <em class="important">important issue</em> if styles
  will combine.</p>
</body>
    
```

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CSS pseudo-class selector for <a>

- ❖ Turns off underline for hyperlinks
a { text-decoration: none; } [none | underline | overline]
- ❖ <a> pseudo-classes are available
a:link { text-decoration: none; color: #CC0000; }
a:visited { text-decoration: none; color: #3300CC; }
a:focus { text-decoration: underline; }
a:hover { text-decoration: underline; color: #FF3300; background-color: #CCFFCC; }
a:active { text-decoration: none; color: #FF9966; }
- ❖ A hyperlink can have only one state at a time so best to use above order

My Resume

Resume

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CSS font-family Specifications

- ❖ Times New Roman is the default font for all text on most Internet browsers
- ❖ Other fonts may be specified using the CSS property **font-family**
- ❖ Font must be available on client computer with order of preference left to right
- ❖ Font Groups
 - ◆ **Serif** = Best for paragraphs
 - ◆ font-family: "Georgia", "Times New Roman", "Times", serif;
 - ◆ **Sans-Serif** = Best for headings
 - ◆ font-family: "Verdana", "Arial", "Helvetica", sans-serif;
 - ◆ **Monospace** = Equal width characters
 - ◆ font-family: "Courier New", "Courier", monospace;
 - ◆ **Special Characters** = Non-text symbols
 - ◆ font-family: "Wingdings";

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```

1. <head> <title>Font Family Example</title>
2. <style type="text/css"> <!--
3.   p { margin-top: 2pt; margin-bottom: 2pt; font-size: 16pt }
4.   .Geo { font-family: "Georgia" }
5.   .Ver { font-family: "Verdana" }
6.   .Imp { font-family: "Impact" }
7.   .Arl { font-family: "Arial" }
8.   .Wings { font-family: "Wingdings" }
9.   .Greek { font-family: "Symbol" }
10. --> </style>
11. </head>
12. <body>
13. <p>Georgia = <span class="Geo">abcdef123ABCDEF</span></p>
14. <p>Verdana = <span class="Ver">abcdef123ABCDEF</span></p>
15. <p>Impact = <span class="Imp">abcdef123ABCDEF</span></p>
16. <p>Arial = <span class="Arl">abcdef123ABCDEF</span></p>
17. <p>Wingdings = <span class="Wings">abcdef123ABCDEF</span></p>
18. <p>Symbol = <span class="Greek">abcdef123ABCDEF</span></p>
19. </body>
    
```

Georgia = abcdef123ABCDEF
 Verdana = abcdef123ABCDEF
 Impact = **abcdef123ABCDEF**
 Arial = abcdef123ABCDEF
 Wingdings = ☺ ☻ ☹ ☼ ☽ ☾ ☿ ☽
 Symbol = αβγδεφ123ABXΔΕΦ

Measurement Specification

- ❖ **Absolute Length Measurements**
 - ◆ **12pt** 12 points (1 point = 1/72 inch)
 - ◆ **0.5in** ½ inch
 - ◆ **1.25cm** 1 ¼ centimeters
 - ◆ **16mm** 16 millimeters
- ❖ **Relative Length Measurements**
 - ◆ **152px** 152 pixels
 - ◆ **18em** 18 times the height of uppercase M
 - ◆ **24ex** 24 times the height of lowercase x
 - ◆ **120%** 120 percent of default size
- ❖ **Relative Font Specification**
 - ◆ **xx-small | x-small | medium | large | x-large | xx-large**

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CSS - Absolute Positioning

- ❖ The box model utilizes **<div>** elements to structure the document into 2-D blocks
- ❖ CSS allows **Absolute, Fixed, or Relative Positioning** of elements on a document
- ❖ **Absolute Positioning** locates the contents of the **<div>** element to the coordinates specified by the top left properties


```

<div style="position: absolute; left: 580px; top: 40px">
</div>
            
```

Or

```

#dvSymbol { position: absolute; left: 580px; top: 40px; }
<div id="dvSymbol"></div>
            
```

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CSS – Fixed and Relative Positioning

- ❖ **Fixed Positioning** locates the contents of the **<div>** element to a fixed position in the window that is unaffected by scrolling.
 - ◆ The perfect substitute for frames
 - ◆ A W3C Standard and supported by Opera and Netscape. Unfortunately not supported by IE.

```

#dvNavMenu { position: fixed; width: 120px;
left: 0px; top: 40px; text-align: center; }
            
```
- ❖ **Relative Positioning** locates the contents of the **<div>** element to a relative position from its placement in the natural flow.


```

#dvTop { position: relative; top: -30px; left: -100px; }
<div id="dvTop"> <a href="#TOP">

</a> </div>
            
```

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Aligning Elements Using CSS Class

- ❖ Using a **CSS Class** position properties can be assigned to multiple elements

```
.ornament {  
  position: absolute;  
  width:100px;  
  left:460px;  
  text-align:right;  
}
```

- ❖ Designation of div element class

```
<div class="ornament" id="ftp">  
  <a href="http://www.ipswitch.com">  
     </a> </div>  
<div class="ornament" id="gado">  </div>
```

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CSS: Exercise

- ❖ Apply Styles to your Home Page and Resume XHTML documents

1. Use *Embedded Style Sheet* for Home Page
2. Use linked *External Style Sheet* for Resume
3. Use *Inline Styles* for modifying single occurrences of an element in all pages
4. Create CSS Rollovers for hyperlinks in your web page documents
5. Utilize background images on your pages
6. Try CSS positioning of image on a page

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