

Stylin' with CSS

Topics

- What is CSS?
- Why CSS?
- CSS Examples

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What is CSS?

- Stands for Cascading Style Sheets
- Used to change the "presentation" of a Web page
- Used in conjunction with HTML in several ways
 - Inline -- embedded within the HTML element
 - Internal -- placed within the header information
 - External -- coded in a separate document
 - Allows style control of multiple pages all at once

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HTML vs. CSS

- HTML intended to show what the text is being used for
 - Defines its semantic meaning
 - Designed to say things like "This is a paragraph" not "This is a paragraph that is centered with a font color of blue"
- CSS used for presentation only
 - Defines how the HTML should be displayed

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Internal Style

- Placed in the header of the page between the `<head>...</head>` tags.
- Contains styles that are used throughout the whole page rather than on a single tag.
- Enclose each "rule" in the `<style>...</style>` tag.

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Internal Style Example

```

<!DOCTYPE html>
<html>
  <head>
    <title>CMSC104 HTML Template</title>
    <style type="text/css">
      h1{
        font-family: verdana;
        text-align: center;
      }
    </style>
  </head>
  <body>

```

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A Closer Look at the Style

```
<style type="text/css">
  h1{
    font-family: verdana;
    text-align: center;
  }
</style>
```

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Changing the Font Face

- Use the font-family property
- Will only display fonts already installed on the end user's computer
- If a font-family is not specified, displays the browser's default font, usually Times New Roman.
- Can give more than one value in the CSS, just in case
- To see a list of Web fonts: <http://www.angelfire.com/al4/rcollins/style/fonts.html>
- More information than you ever wanted to know about fonts: <http://www.w3.org/TR/REC-CSS2/fonts.html>

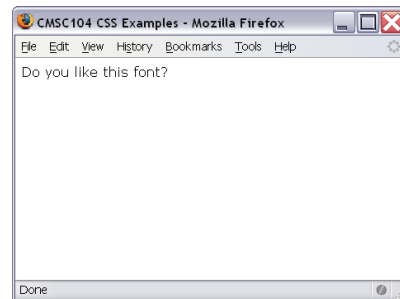
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Font Example

```
<html>
<head>
<title>CMSC104 HTML Template</title>
<style type="text/css">
  body{
    font-family: verdana, helvetica, arial, sans-serif;
  }
</style>
</head>
<body>
  Do you like this font?
</body>
</html>
```

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Font Example Screenshot



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Working with Color

- background-color -- changes the background color
- color -- changes the text color
- Can be applied to most selectors. ie: body, p, etc...

black	lime	maroon	purple
white	olive	navy	teal
silver	green	red	fuchsia
gray	yellow	blue	aqua
orange			

Chart of possible CSS color values

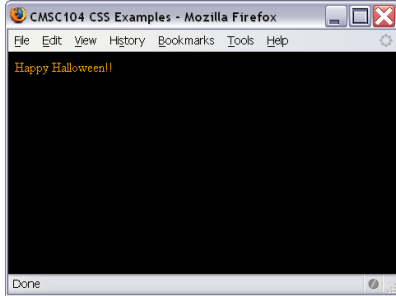
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Color Example

```
<html>
<head>
<title>CMSC104 HTML Template</title>
<style type="text/css">
  body{
    background-color: black;
    color: orange;
  }
</style>
</head>
<body>
  Happy Halloween!!
</body>
</html>
```

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Color Example Screenshot



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Changing the Font Size

Sample Usage	Possible values
font-size: 14pt;	Can use number and unit (as in 12pt) or keywords: xx-small, x-small, small, medium, large, x-large, xx-large. (There are other possibilities but we won't be discussing them now.)

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Aligning text

Sample Usage	Possible values
text-align: center;	left, right, center, justify

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CSS for Emphasis

Sample Usage	Possible values
font-style: italic;	normal, italic, oblique
font-weight: bold;	normal, bold, bolder, lighter

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CSS Comments

- You can place a comment in CSS by using the following syntax:

```
<style type="text/css">
/* body layout */
body{
background-color: black;
color: orange;
}
</style>
```

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Example with Multiple Rules

```
<html>
<head>
<title>CMS104 CSS Example</title>
<style type="text/css">
body{
color: blue;
}
hl{
color: red;
}
</style>
</head>
<body>
<h1>What color is this heading?</h1>
What color am I?
</body>
</html>
```

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Multiple Rule Screenshot

