

HTML and CSS

Session 2 - Presented May 24, 2010

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Agenda

4. Images
5. Tables
6. Style Sheets

Chapter 4 – Color and Images

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RGB Color

- Red, Green and Blue
- Color from light not paint
- 256 shades each
- 16 million (256^3) possible colors
- Written in Hexadecimal (base 16)

Name	RGB	Hex
Red	rgb(255, 0, 0)	#FF0000
Green	rgb(0, 255, 0)	#00FF00
Blue	rgb(0, 0, 255)	#0000FF
Yellow	rgb(255, 255, 0)	#FFFF00
Cyan	rgb(0, 255, 255)	#00FFFF
Magenta	rgb(255, 0, 255)	#FF00FF
Black	rgb(0, 0, 0)	#000000
Gray	rgb(192, 192, 192)	#COCOCO
White	rgb(255, 255, 255)	#FFFFFF

Background-color

Color name method

```
<p style="background-color:yellow; color:red">  
The background color is yellow, the font is red.  
</p>
```

Hexadecimal method

```
<p style="background-color: #FFFF00; color:#FF0000">  
The background color is yellow, the font is red.  
</p>
```

RGB method

```
<p style="background-color: rgb(255,255,0); color:rgb(255,0,0)" >  
The background color is yellow, the font is red.  
</p>
```

The background color is yellow, the font is red.

Anatomy of image formats

- How can the image be compressed (reduced) for faster loading speeds?
 - Lossy = Some details are lost
 - Lossless = No details are lost
- What is the maximum # of colors supported by the image?
- Can the image have a transparent color?
- Can the image be animated?

GIF, JPEG, PNG

	GIF	JPEG	PNG
Compression	Lossless	Lossy	Lossless
Colors	256	16 million	256 for 8 bit 16 million for 24 bit
Transparent	Yes	No	Yes
Animated	Yes	No	No
Comments	Best for cartoons and simple shapes	Best for photos	Not as common as GIF and JPEG

Image attributes

```

```


Image Alignment

Align="top"



Cinnamon is one of the most popular of our spices, due to its sweet flavor and prominent role in baked goods and candies. Cinnamon is also wonderful in stews and sauces.

Align="middle"



Cinnamon is one of the most popular of our spices, due to its sweet flavor and prominent role in baked goods and candies. Cinnamon is also wonderful in stews and sauces.

Align="bottom"



Cinnamon is one of the most popular of our spices, due to its sweet flavor and prominent role in baked goods and candies. Cinnamon is also wonderful in stews and sauces.

Default alignment (not defined)



Cinnamon is one of the most popular of our spices, due to its sweet flavor and prominent role in baked goods and candies. Cinnamon is also wonderful in stews and sauces.

Align="left"



Cinnamon is one of the most popular of our spices, due to its sweet flavor and prominent role in baked goods and candies. Cinnamon is also wonderful in stews and sauces.

Align="right"

Cinnamon is one of the most popular of our spices, due to its sweet flavor and prominent role in baked goods and candies. Cinnamon is also wonderful in stews and sauces.



Chapter 5 - Tables

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Table tag

```
<table  
    width="100%"  
    border="1"  
    cellpadding="5"  
    cellspacing="10"  
>  
...  
</table>
```

<tr>, <td> and <th>

<tr>...</tr>	Add table row
<td>...</td>	Add table cell
<th>...</th>	Add table header cell

Table Example

```
<table border="1" width="100%">
  <tr>
    <th>A1</th>
    <th>B1</th>
  </tr>
  <tr>
    <td>A2</td>
    <td>B2</td>
  </tr>
</table>
```

A1	B1
A2	B2

Chapter 6 – Style Sheets

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Style Type Prefix

Prefix	Purpose
None	Tags
.	Class
#	Named item

Locations

- Inline Style Sheet
- Embedded Style Sheet
- Linked Style Sheet

Inline Style Sheet

- Included as a tag attribute
- Worst way to use style sheets
(causes more work in the long run)

```
<div  
    style="margin-left: 255px;  
        color: white;  
        background-color: black"  
>
```

Embedded Style Sheet

- Included in the <head> section
- Better way to use style sheets

```
<style type="text/css">
    .inverse{
        margin-left: 255px;
        color: white;
        background-color: black;
    }
</style>
...
<div class="inverse">
```

External Style Sheet

- Code in a CSS file
- Link to the CSS file in the HTML file's <head> section
- Best way to use style sheets

External Style Sheet

- Code in CSS file

```
.inverse{  
    margin-left: 255px;  
    color: white;  
    background-color: black;  
}
```

- Create link in head section of the HTML file

```
<link rel="stylesheet"  
      type="text/css"  
      href="styles/standard.css"  
>
```