

HTML, XHTML, and XML

3rd Edition

Tutorial 3

Working with Cascading Style Sheets

Thanks to the author of the textbook for providing these slides. I made slight changes/additions. Turgay Korkmaz





Objectives

- The look and feel of a web site
- Review the history and concepts of **CSS**
- Explore inline styles, embedded styles, and external style sheets
- Understand style **precedence** and style **inheritance**
- Understand the CSS use of color
- Explore CSS styles for FONTS and text
- Review and compare different image formats

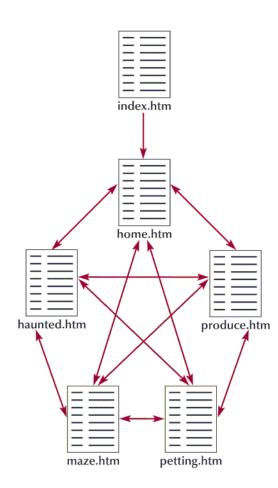


Objectives

- Display an animated graphic
- Apply a background image to an element
- Float elements on a Web page
- Explore the properties of the **box model**
- Apply border styles to an element



tutorial.03/tutorial





Tammy and Brent Nielsen 1973 Hwy G Council Bluffs, IA: 51503

Home The Corn Maze The Haunted Maze Petting Barn Produce

Welcome



Welcome to the home page of our family farm, Sunny Acres, where there's always something happening. With the coming of fall, we're gearing up for our big AutamaFest and Farm Show. If you haven't visited our famous Corn Maze, be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever.

Farms can be educational and Sumny Acres is no exception. Schools and home-schooling parents, take an afternoon with us at our Petting Barn. We have over 100 friendly farm animals in a clean environment. Kids can bottle feed the baby goats, lambs, and calves while they learn about nature and the farming life. Please call ahead for large school groups.

When the sun goes down this time of year, we're all looking for a good fright. Sunny Acres provides that too with another year of the Haunted Maze. Please plan on joining us during weekends in October or on Halloween for our big Halloween Festival.

Of course, Sumy Acres is above all, a *farm*. Our Farm Shop is always open with reasonable prices and great produce. Save even more money by picking your own fruits and vegetables from our orchards and gardens.

We all hope to see you soon, down on the farm.

- Tammy & Brent Nielsen

Hours

- Farm Shop: 9 am 5 pm Mon Fri; 9 am 3 pm Sat
- The Corn Maze: 11 am 9 pm Sat; 11 am 5 pm Sun
- The Haunted Maze: 5 pm 9 pm Fri & Sat
- Petting Barn: 9 am 4 pm (Mon Fri); 11 am 3pm (Sat & Sun)

Directions

- From Council Bluffs, proceed east on I-80
- · Take Exit 38 North to the Drake Frontage Road
- Turn right on Highway G
- Proceed east for 2.5 miles
- · Sunny Acres is on your left&watch for the green sign

Sunny Acres 🔆 Tammy & Brent Nielsen 🔆 1977 Highway G 🔆 Council Bluffs, IA 51503

New Perspectives on HTML, XHTML, and XML, Comprehensive, 3rd Edition



Same content, but a new look and feel using CSS

Sunny Sunny Council Burts, IA 51503	Sunnny Acres Logo		
Home The Corn Maze The Hanned Maze Petting Barn Produce			
Welcome	Heading		
Welcome to the home page of our family farm, Sumy Acres, where there's always something happening. With the coming of fall, we're gearing up for our big AutamaFest and Farm Show. If you haven't visited our famous Corn Maze, be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever. Farms can be educational and Sumy Acres is no exception. Schools and home-schooling parents, take an afternoon with us at our Peting Barn. We have over 100			
friendly farm animals in a clean environment. Kids can bottle feed the baby goats, lambs, and calves while they learn about nature and the farming life. Please call ahead for large school groups.			
When the sun goes down this time of year, we're all looking for a good fright. Sunny Acres provides that too with another year of the Haunted Maze. Please plan on joining us during weekends in October or on Halloween for our big Halloween Festival.	n		
Of course, Sunny Acres is above all, a farm. Our Farm Shop is always open with reasonable prices and great produce. Save even more money by picking your own fruits and vegetables from our orchards and gardens.			
We all hope to see you soon, down on the farm.	Heading		
— Tammy & Brent Nielsen	•		
Hours Farm Shop: 9 am - 5 pm Mon - Fri; 9 am - 3 pm Sat The Corn Maze: 11 am - 5 pm Sat; 11 am - 5 pm Sun The Hunnetd Maze: 5 pm - 9 pm Fri & Sat Petting Barr. 9 am - 4 pm (Mon - Fri); 11 am - 3 pm (Sat & Sun) 	•		
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From Comnell Baffis, proceed east on 1-80 Take Exii 38 North to the Drake Frontage Road Turn right on Highway G Proceed east for 2.5 miles Sumny Acres is on your lefk&watch for the green sign	•		
 Sumny Acres is on your netrocwatch for the green sign Sumny Acres * Tammy & Brent Nielsen * 1977 Highway G * Council Bluffs, IA 51503 			



Session 3.1: Introducing Cascading Style Sheets

- Style sheets are declarations that describe the layout and appearance of a document
 - Try a web page with and without css style
- Cascading Style Sheets (CSS) is a style sheet language used on the Web
 - We already used CSS in style attribute of html
 - It is a different language than html
 - CSS specifications are maintained by the World Wide Web Consortium (W3C)
 - Several versions of CSS exist: CSS1, CSS2, CSS
 2.1, and CSS3



Cascading Style Sheets

- **CSS1** introduced styles for the following document features:
 - Fonts: size, type, other properties
 - Text: text alignment, decorative elements (underline, italic etc.)
 - Color: background and foreground colors for various page elements
 - Backgrounds: setting background image for an element
 - Block-level Elements: setting margins, internal space, borders



Cascading Style Sheets

- **CSS2** introduced styles for the following document features:
 - Positioning: place elements at specific locations on the page
 - Visual Formatting: Clipping and hiding element content
 - Media Types: styles for different output devices (printer, aural etc.)
 - Interfaces: control browser's appearance and behavior (scroll, mouse cursors)
- CSS 2.1 did not add any new features to the language, cleaned up errors



Cascading Style Sheets

- **CSS3** (which is still in development) will introduce styles for the following document features:
 - User Interfaces: dynamic and interactive features
 - Accessibility: supporting users with disabilities
 - Columnar layout: more page layout options
 - International Features: support different languages
 - Mobile Devices: support PDSs and cell phones
 - Scalable Vector Graphics: make it easy to add graphical elements
- Usefulness of CSS depends on browsers' support, as a web designer you need to be aware of their support



Applying a Style Sheet

- Three ways to apply a style to an HTML or XHTML document:
 - Inline Styles
 - Embedded Style Sheet
 - External Style Sheet
- Each has different advantages and disadvantages
- You may use some combination if all three



Using Inline Styles

we already used these before

 Inline styles are easy to use and interpret because they are applied directly to the elements they affect
 <element style="style1: value1; style2: value2; style3: value3;...">

<h1 style="text-align: center; color: red"> ... </h1>

- Inline styles are easy to understand (why?), but
- They do not separate content from its representation
- The power of CSS becomes evident when you separate styles from content...



Using Embedded Styles

• You can embed style definitions in a document **head** using the following form: Each style declaration

```
<style type="text/css">
style declarations
</style>
```

```
<style type="text/css">
h1 {
   text-align: center;
   color: red
  }
</style>
```

Each style declaration has the
following syntax
selector(s) {
 style1: value1;
 style2: value2;
 ...
}

```
<style type="text/css">
h1, h2 {
text-align: center;
color: red}
</style>
```



Using an External Style Sheet

- An embedded style sheet only applies to the content of the current (one) file
- If you want to apply the same style declaration to the rest of the Web site, you need to place that style declaration in an **external style sheet** and link it to other pages
- An **external style sheet** is a text file (xyz.css) that contains style declarations
 - It can be linked to any page in the site, allowing the same style declaration to be applied to the entire site



Using an External Style Sheet

- You can add style comments as you develop an external style sheet (xyz.css)
 - /* comment */

```
style declarations
```

 In a web page (home.html), use the link element to link this web page to an external style sheet

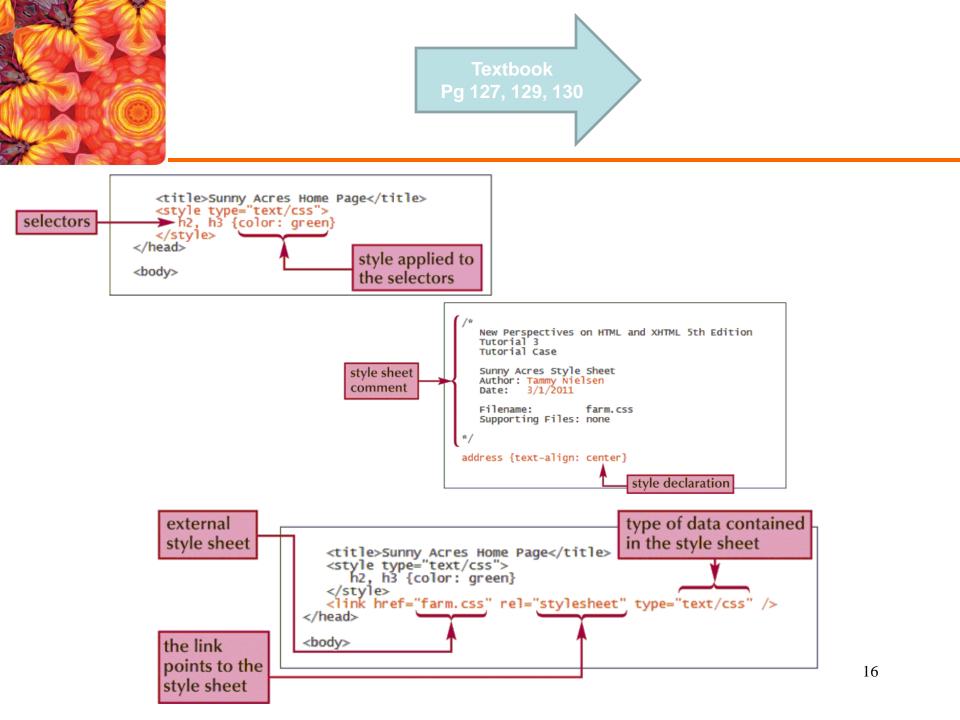
<link href="xyz.css" rel="stylesheet" type="text/css" />



Setting up Alternate Style Sheets

- <link href="large.css" rel="alternate
 stylesheet" type="text/css" title="Large
 Text" />
- <link href="regular.css" rel="alternate
 stylesheet" type="text/css" title="Regular
 Text"/>

😻 Viewing	Alternate Style Sh	eets - Mozill	a Firefox		
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	<u>S</u> top <u>R</u> eload	Esc Ctrl+R			
	Text Size				
	Page Style Character End	oding •	<u>N</u> o Style <u>B</u> asic Page Style		
	Page Source Full Screen	Ctrl+U F11	Large Text Regular Text	 alternate style sheets appear in the Page Style menu 	
S	Suni	ny	Acres	Farm	

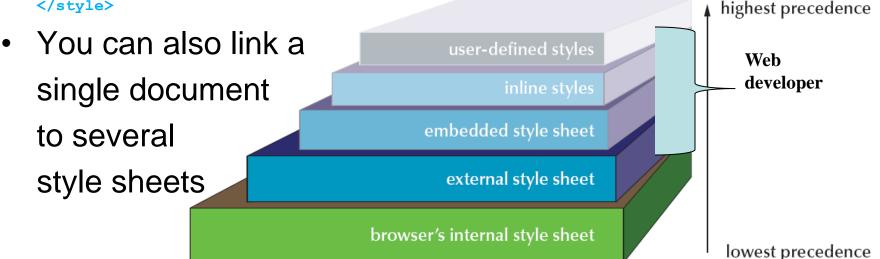




Understanding Cascading Order

 You can link a single style sheet to multiple documents in your Web site by using the link element or the @import element

```
<style type="text/css">
@import url(company.css)
@import url(support.css)
</style>
```





Cascading Order

when conflicting styles are on the same level

- The one declared last has precedence
 - <style type="text/css">
 - h1 {color: orange; text-align: center;

h1 {color: blue}

</style>

 Override the precedence by adding !important property <style type="text/css"> h1 {color: orange !important; h1 {color: blue; text-align: center;}
 </style>



Style Inheritance

If a style is not specified for an element, it inherits the style of its parent element. This is called style inheritance

```
body {color: blue}
```

```
p {color: red}
```



- In the above example, the body element is the parent element
- Through style inheritance, any changes you make to a style sheet will automatically be passed down the levels of objects and elements on the web site (this is where the name "cascade style sheet" comes from).



Applying a Style to a Specific ID

To apply a style to an element marked with a specific id value, use the declaration
 #id {style rule}

In home.html

<h2 id="subtitle">A Fun Family Farm</h2>

In xyz.css

#subtitle {color: red}

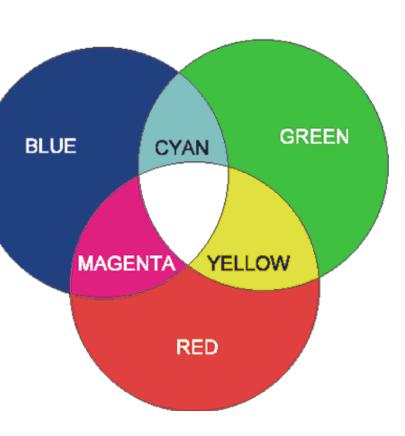
- We could do the same thing using inline style (how?).
- What is the advantage of moving it away from the content?



- HTML is a text-based language, requiring you to define your colors in textual terms
- HTML identifies a color in one of two ways:
 - By the color name (red, blue, orange etc)
 - By the color value
- To have more control and more choices, specify colors using color values
- A **color value** is a numerical expression that precisely describes a color



- Any color can be thought of as a combination of three primary colors: red, green, and blue
- By varying the intensity of each primary color, you can create almost any color and any shade of color
- This principle allows a computer monitor to combine pixels of red, green, and blue to create the array of colors you see on your screen





- Software programs, such as your Web browser, define color mathematically
- Each color is represented by a triplet of numbers, called an RGB triplet, based on the strength of its Red, Green, and Blue components: rgb(red, green, blue)
- The intensity of each of three colors (RGB) is assigned a number from 0 (absence of color) to 255 (highest intensity)

rgb (0,0,0) VS. rgb (255,255,255)

In this way, 255³, or more than 16.7 million, distinct colors can be defined



 Using the basic color names allows you to accurately display them across different browsers and operating systems. The list of only 17 colors is limiting to Web designers

Color Name	RGB Triplet	Hexadecimal	Color Name	RGB Triplet	Hexadecimal	Sample	Name	RGB	Hexadecimal
Aqua	(0, 255, 255)	00FFFF	Olive	(128, 128, 0)	808000		aliceblue	(240,248,255)	#F0F8FF
			A				antiquewhite	(250,235,215)	#FAEBD7
Black	(0, 0, 0)	000000	Orange	(255, 165, 0)	FFA500		aqua	(0,255,255)	#00FFFF
Blue	(0, 0, 255)	0000FF	Purple	(128, 0, 128)	800080		aquamarine	(127,255,212)	#7FFFD4
			_	<i>X</i> (((azure	(240,255,255)	#FOFFFF
Fuchsia	(255, 0, 255)	FF00FF	Red	(255, 0, 0)	FF0000		belge	(245,245,220)	#F5F5DC
Gray	(128, 128, 128)	808080	Silver	(192, 192, 192)	C0C0C0		bisque	(255,228,196)	#FFE4C4
Green	(0, 128, 0)	008000	Teal	(0, 128, 128)	008080		black	(0,0,0)	#000000
	1 1			1 1 1			blanchedalmond	(255,235,205)	#FFEBCD
Lime	(0, 255, 0)	00FF00	White	(255, 255, 255)	FFFFF		blue	(0,0,255)	#0000FF
Maroon	(128, 0, 0)	800000	Yellow	(255, 255, 0)	FFFF00		blueviolet	(138,43,226)	#8A2BE2
Morry	× ///	000000		(brown	(165,42,42)	#A52A2A
Navy	(0, 0, 128)	000080					burlywood	(222,184,135)	#DEB887



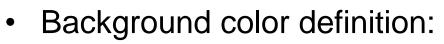
- HTML originally used hexadecimals to represent colors
- A hexadecimal is a number based on a base-16 numbering system rather than a base-10 numbering system that we use every day
 - Base 10 counting uses a combination of 10 characters (0 through 9) to represent numerical values
 - Hexadecimals include six extra characters: A (for 10),
 B (for 11), C (for 12), D (for 13), E (for 14), and F (for 15)
 - #redgreenblue #FF0000 = rgb(255,0,0) = red



- To represent a number in hexadecimal terms, you convert the value to multiples of 16 plus a remainder. For example:
 - 21 is equal to (16 x 1) + 5, so its hexadecimal representation is 15
 - The number 255 is equal to (16 x 15) + 15, or FF in hexadecimal format (remember that F = 15 in hexadecimal)
 - In the case of the number 255, the first F represents the number of times 16 goes into 255 (which is 15), and the second F represents the remainder of 15
- Once you know the RGB triplet of a color, the color needs to be converted to the hexadecimal format



Defining Text and Background Colors



- background-color: color

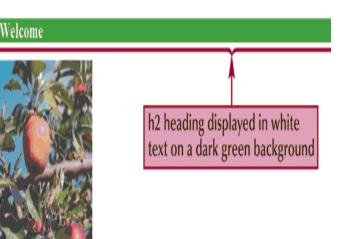
Text color definition:

- color: color

where *color* is either the color value or the color name

 You can apply text and background colors to any page element

Setting the background color for the page body



Welcome to the home page of our family famn, Sunny Acres, where there's always so we're gearing up for our big AutumniFest and Farm Show. If you haven't visited our famous Corn Maze, be sure to do : This year's maze is bigger and better than ever.

body {background-color: white}
address {text-align: center}

Specifying text color and background colors

```
<title>Sunny Acres Home Page</title>
<style type="text/css">
h2, h3 {color: white; background-color: rgb(0, 154, 0)}
</style>
<link href="farm.css" rel="stylesheet" type="text/css" />
</head>
```



Session 3.2: Working with Fonts and Text Styles

- A specific font is a font such as Times New Roman, Arial, or Garamond. The font is installed on a user's computer
- A generic font refers to the font's general appearance

Font Samples			
serif	defg	defg	defg
sans-serif	_	defg	defg
monospace	defg	defg	defg
cursive	defg	defg	defg
fantasy	defg	defg	DEFG
	•		

Generic fonts



Working with Fonts and Text Styles

- CSS allows you to specify a list of specific fonts along with a generic font
 font-family: Arial, Helvetica, 'Trebuchet MS', sans-serif
- If the browser cannot find any of the specific fonts listed, it uses the generic font

body {background-color: white; font-family: Arial, Helvetica, sans-serif}
address {text-align: center}



Setting the Font Size

- The style to change the font size of text within an element is:
 - font-size: length
- **Absolute units** define a font size using one of five standard units of measurement:

۲

- Millimeters (mm)
- Centimeters (cm)
- Inches (in)
- Points (pt)
- Picas (pc)

- Many Web page designers opt to USE relative units, which are expressed relative to the size of other objects within the page
 - Em unit (relative to the font size of parent element)
 - Percentages (font-size: 200%)
 - Relative keywords
 - Larger, Small

body		font-f	amily: Arial, Helvetica, s	ans-serif}
address	{font-size: 2em} {text-align: center}		h2 headings will be twice	
	_		the size of body text	



Spacing and Indentation

• Kerning is the amount of space between characters

- letter-spacing: value

- Tracking is the amount of space between words and phrases
 - word-spacing: value
- Leading is the space between lines of text
 - line-height: length





Applying Font Features

- To specify font styles, use the following style:
 - font-style: type normal italic oblique
- To control font weight for any page element, use
 - font-weight: weight level of bold 100-900, inc by 100
- To change the appearance of your text, use
 - text-decoration: type underline, overline, blink, none
- To transform the text, use
 - text-transform: type capitalize, lowercase, uppercase,
- Uppercase letters, small font:
 - font-variant: *type* normal, small-caps



Aligning Text Vertically

Use the vertical-align attribute
 vertical-align: value

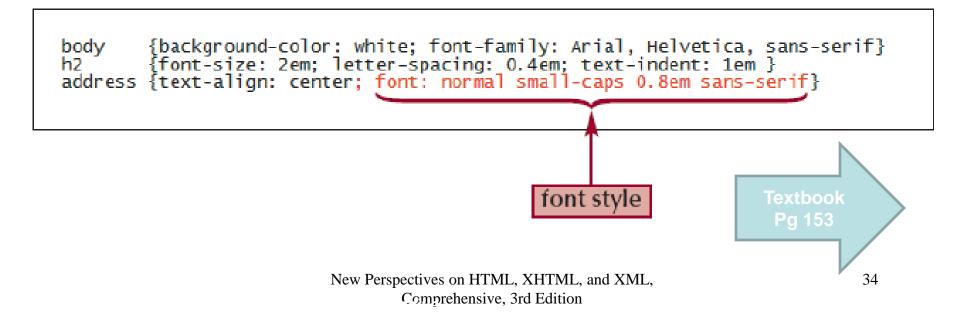
Value	Description
baseline	Aligns the element with the bottom of lowercase letters in surrounding text (the default)
bottom	Aligns the bottom of the element with the bottom of the lowest element in surrounding content
middle	Aligns the middle of the element with the middle of the surrounding content
sub	Subscripts the element
super	Superscripts the element
text-bottom	Aligns the bottom of the element with the bottom of the font of the surrounding content
text-top	Aligns the top of the element with the top of the font of the surrounding content
top	Aligns the top of the element with the top of the tallest object in the surrounding content



Combining All Text Formatting in a Single Style

 You can combine most of them into a single declaration, using the style

font: font-style font-variant fontweight font-size/line-height font-family





Graphics/Images are good and attractive; but, they may increase the size and slow down the download time

GIF, JPEG, PNG (+/-)

WORKING WITH IMAGES

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Working with GIF Images

- **GIF (Graphics Interchange Format)** is the most commonly used image format on the Web
- Compatible with virtually all browsers
- GIF files are limited to displaying 256 colors
- Often used for graphics requiring fewer colors, such as clip art images, line art, logos, and icons
- Images that require more color depth, such as photographs, can appear grainy when saved as GIF files



Working with GIF Images

- A **transparent color** is a color that is not displayed when the image is viewed in an application
- A splash screen is a Web page containing interesting animation or graphics that introduces a Web site
- Let us now add both of these graphics

```
Textbook
Pg 155
```

```
<body>
<div style="text-align: center">
<img src="salogo.gif" alt="Sunny Acres" /><br />
<a href="home.htm"><img src="scarecrow.gif" alt="animated GIF" style="border-width: 0" /></a>
</div>
</body>
```



JPEG Images

- JPEG stands for Joint Photographic Experts Group
- Supports up to 16.7 million colors
- Most often used for photographs and other images that cover a wide spectrum of color
- Usually smaller than their GIF counterparts
- JPEG do not support animations



PNG Images

- A file format called PNG (Portable Network Graphics) has been gaining wider acceptance
- PNG files use a free and open file format and can display more colors than GIFs
- PNGs do allow transparent colors, but not all browsers support this feature



Comparison of Web graphic formats

Feature	GIF	JPEG	PNG
Color resolution	256	16.7 million	16.7 million
Useful for line art	Yes	No	Yes
Useful for photographs	No	Yes	Yes
Interlacing/progressive encoding	Yes	Yes	Yes
Compressible	Yes	Yes	Yes
Transparent colors	Yes (1)	No	Yes (multiple)
Supported by older browsers	Yes	Yes	No



Setting the Image Size

- By default, browsers display an image at its saved size
- You can specify a different size by adding the HTML attributes

width="value" height="value"

```
<body>
<div style="text-align: center">
<div style="text-align: center">
<div style="text-align: center">
<div style="salogo.gif" alt="Sunny Acres" width="599" height="223" />dr />
<a href="home.htm"><img src="scarecrow.gif" alt="animated GIF"
width="500" height="300" style="border-width: 0" />da>
</div>
</div>
</body>

Textbook
Pg 157
New Perspectives on HTML, XHTML, and XML, Comprehensive, 3rd Edition
```



Formatting Backgrounds

- The syntax for inserting a background image is: background-image: url(url)
 - URL is the location and filename of the graphic file you want to use for the background of the Web page

Comprehensive, 3rd Edition



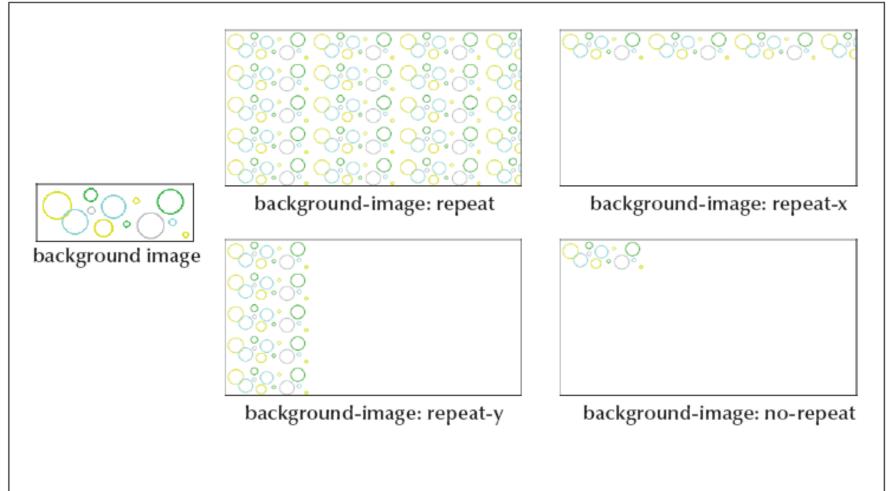
Background Image Options

- By default, background images are tiled both horizontally and vertically until the entire background of the element is filled up
- You can specify the direction of the tiling using the style:
 - background-repeat: type

Value	Description
repeat	The image is tiled both horizontally and vertically until the entire background of the element is covered
repeat-x	The image is tiled only horizontally across the width of the element
repeat-y	The image is tiled only vertically across the height of the element
no-repeat	The image is not repeated at all



Background Image Options





Background Image Options

- Initial position is upper-left corner, but we can change it background-position: horizontal vertical
 Distance from top-left corner
 background-position: 10% 20%
 background-position: right bottom
 background-position: 30px
- A background image moves along with its element, but we can change it

```
background-attachment: type
```

- scroll
- fixed



The Background Style

 You can combine the various background styles into the following single style: background: color url(url) repeat attachment horizontal vertical

background: yellow url(logo.gif) no-repeat
 fixed center center

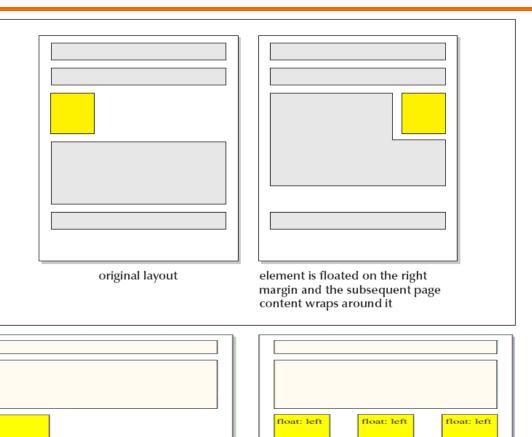


Session 3.3: Floating an Element

 To float an element, use

float: position

where *position* is none (to turn off floating), left or right



 We can stack floating elements to create a column effect



each element is floated on the left margin, causing the elements to stack up, mimicking three columns

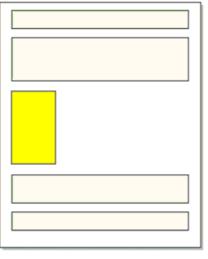


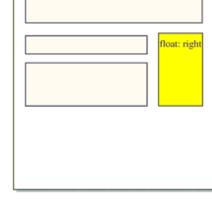
Floating an Element

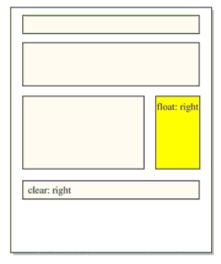
 To display an element clear of a floating element, use the style

clear: position

where position is none, left, right, or both







original layout

floating an element on the right margin

last element is displayed only when the right margin is clear



Welcome

Welcome to the home page of our family farm, Sunny Acres, where there's always something happening. With the coming of fall, we're gearing up for our big AutumnFest and Farm Show. If you haven't visited our famous Com Maze, be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever.

Farms can be educational and Sunny Acres is no exception. Schools and home-schooling parents, take an afternoon with us at our Petting Barn. We have over 100 friendly farm animals in a clean environment. Kids can bottle feed the baby goats, lambs, and calves while they learn about nature and the farming life. Please call ahead for large school groups.

When the sun goes down this time of year, we're all looking for a good fright. Sunny Acres provides that too with another year of the Haunted Maze. Please plan on joining us during weekends in October or on Halloween for our big Halloween Festival.

Of course, Sunny Acres is above all, a *farm*. Our Farm Shop is always open with reasonable prices and great produce. Save even more money by picking your own fruits and vegetables from our orchards and gardens.

We all hope to see you soon, down on the farm.

Tammy & Brent Nielsen

id of promotional

images

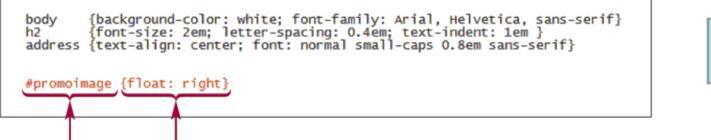
the subsequent text wraps around the image

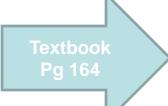
float the image on

the right margin



floating inline image



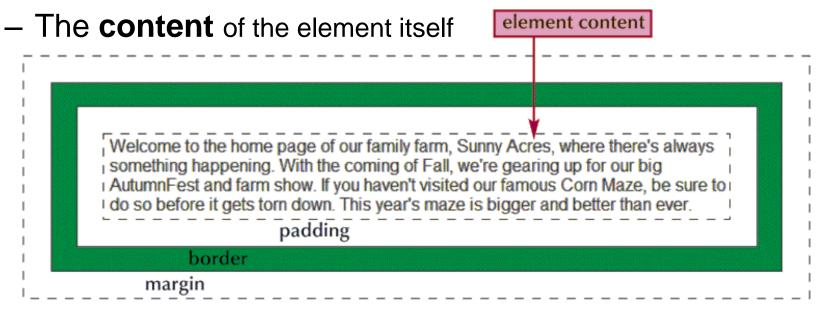






Working with the Box Model

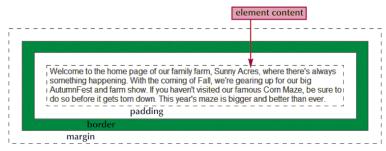
- The **box model** describes the structure of page elements as they are laid out on the Web page:
 - The margin between the element and other page content
 - The **border** of the box containing the element content
 - The **padding** between the element's content and the box border





Margin Styles

- Control your margins with the following four styles:
 - margin-top: length
 - margin-right: length
 - margin-bottom: length
 - margin-left: length



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- Margin values can also be negative. This creates an overlay effect by forcing the browser to render one element on top of another
- You can also combine the four margin styles into a single style:
 - margin: top right bottom left

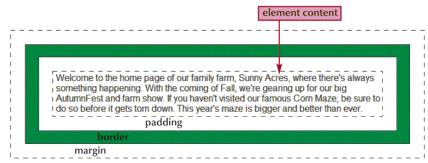
#promoimage {float: right; margin: 0em 0em 1em 1em} 51



Padding Styles

- Styles to set padding are similar to styles to set margins:
 - padding-top: value
 - padding-right: value
 - padding-bottom: value
 - padding-left: value

padding: top right bottom left

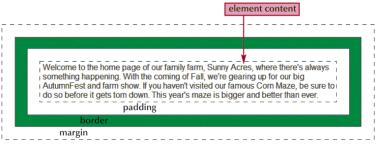


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Border Styles

- border-top-width: length
- border-right-width: length
- border-bottom-width: length
- border-left-width: length
 border-width: top right bottom left
- border-top-color: color
- border-right-color: color
- border-bottom-color: color
- border-left-color: color



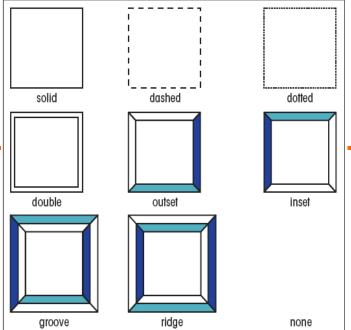
border-color: top right bottom left



Border Styles

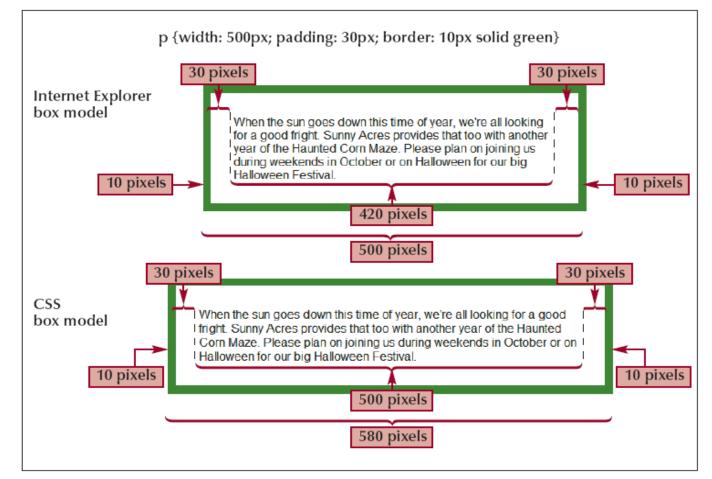
- border-top-style: type
- border-right-style: type
- border-bottom-style: type
- border-left-style: type
 border-style: top right bottom left
- border-top: width style color
- border-right: width style color
- border-bottom: width style color
- border-left: width style color

h1 {border: 2px solid blue} address {text-align: center; font: normal small-caps 0.8em sans-serif; border-top: 0.5em double green; padding-top: 1em}





Width and Height Styles





Width and Height Styles

To set the box model width, use

– width: *length*

where *length* is the width of the box **content** in one of the CSS units of measure. (Note that Internet Explorer applies the width value to the box model content, padding space, and border)

To set the box model height, use

– height: *length*

where *length* is the height of the box **content** in one of the CSS units of measure

Hours

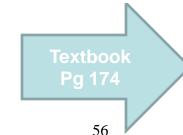
- Farm Shop: 9 am 5 pm Mon Fri; 9 am 3 pm Sat
- The Corn Maze: 11 am 9 pm Sat; 11 am 5 pm Sun
- The Haunted Maze: 5 pm 9 pm Fri & Sat
- Petting Barn: 9 am 4 pm (Mon Fri); 11 am 3pm (Sat & Sun)

Directions

- From Council Bluffs, proceed east on I-80
- Take Exit 38 North to the Drake Frontage Road
- Turn right on Highway G
- Proceed east for 2.5 miles
- · Sunny Acres is on your left; watch for the green sign

[background-color: white; font-family: Ar font-size: 2em; letter-spacing: 0.4em; t body h2 h3 {width: 20em; padding-left: 1em} address {text-align: center; font: normal small-c border-top: 0.5em double green; padding-

#promoimage {float: right; margin: 0em 0em 1em 1e





Controlling Page Layout with div Containers



SUNITY SUNTY	di Beynf Nilotoon 1923-Mwy G Butti, M. 51505		
Home The Com Maze The Haunted Maze Petiting Barn Produce			
Welcome to the home page of our family farm, Surry Acres, where there's always something happ	vening. With the commend that we're gearing up for	as bio Ashum-Fast and Farm Show Buou have a stated	
vertorne to be ritine page to our samp tanti, stamp Abas, where there's stimp? softwarps on the samp and the same stamp and the	e is bigger and better than ever.		
Paints can be educated and a stang Patters is no leadepoint, soldows and none-sourcemp patents, environment. Kids can bottle feed the baby gaits, lamba, and calves while they learn about nature 4 When the sun goes down this time of year, we're all looking for a good fright. Sunny Acres provides	and the farming life. Please call ahead for large sch	nool groups.	
Halloween for our big Halloween Festival.	-		
Of course, Sunny Acres is above all, a farm. Our Farm Shop is always open with reasonable prices gardens.	s and great produce. Save even mone money by pr	Sang your own multis and vugenables from our orchards and	
We all hope to see you soon, down on the farm. — Tammy & Brent Nielsen			
Hours			
 Farm Shop: 9 am - 5 pm Mon - Fri; 9 am - 3 pm Sat The Com Maze; 11 am - 9 pm Sat; 11 am - 5 pm Sun The Haurted Maze; 5 pm - 9 pm Fri & Sat 			
Pretrigg Barr: 9 am - 4 pm (Mon - Fn); 11 am - 3pm (Sat & Sun)		<body></body>	
From Council Bluffs, proceed east on 1-80 Take Exit 38 North to the Drake Frontage Road Turn right on Highway G Proceed east for 2.5 miles Sump Access is on your left, watch for the green sign		<pre><div id="outer"></div></pre>	
Buser Actes * Trusty & Berr Nelson * 1972 Hommy G * Council Bus		<pre>The Corn Maze</pre>	
div containers can	be	<h2>welcome</h2>	
 resized and floated 	<pre>body {background-color: white; font-family: Arial, Helvetica, sans-serif} h2 {font-size: 2em; letter-spacing: 0.4em; text-indent: 1em } h3 {width: 20em; padding-left: 1em} address {text-align: center; font: normal small-caps 0.8em sans-serif; border-top: 0.5em double green; padding-top: 1em} #promoimage {float: right; margin: 0em 0em 1em 1em} #outer {width: 50em}</pre>		
to create different pa	ane lavouts		
	ago iayoulo		

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Controlling Page Layout with div Containers





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Tammy and Brent Nielsen 1973 Hwy G Council Bluffs, IA 51503

Textbook Pg 178-179

Home The Com Maze The Haunted Maze Petting Barn Produce

Welcome

Welcome to the home page of our family farm, Sunny Acres, where there's always something happening. With the coming of fall, we're gearing up for our big AutumnFest and Farm Show. If you haven't visited our famous Corn Maze, be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever.

Farms can be educational and Sunny Acres is no exception. Schools and home-schooling parents, take an afternoon with us at our Petting Barn. We have over 100 friendly farm animals in a clean environment. Kids can bottle feed the baby goats, lambs, and calves while they learn about nature and the farming life. Please call ahead for large school groups.

When the sun goes down this time of year, we're all looking for a good fright. Sunny Acres provides that too with another year of the Haunted Maze. Please plan on joining us du weekends in October or on Halloween for our big Halloween Festival.

left margin is set to 12 em

<div id="inner"> <h2>welcome</h2>

<0>

<hr/>

```
#promoimage {float: right; margin: 0em 0em 1em 1em}
#outer {
width: 50em}
#links {float: left; width: 10em; background-color: white;
border-style: outset; border-width: 0.5em}
#inner {margin-left: 12em; padding-left: 1em;
border-left: 0.1em solid green}
```



Home The Corn Maze

The Haunted Maze

Petting Barn

Produce

Sunny 🔒

Setting the Display Style

Values of the display style

Welcome

Welcome to the home page of or Acres, where there's always sorr With the coming of fall, we're gea AutumnFest and Farm Show. If y famous Corn Maze, be sure to de torn down on November 5. This y and better than ever.

Farms can be educational and S exception. Schools and home-scl an afternoon with us at our Pettin 100 fi

a {display: block}

100 fi can b		
while Pleas	Display	Description
	block	Display as a block-level element
	inline	Display as an inline element
	inline-block	Display as an inline element with some of the properties of a block (much like an inline image or frame)
	inherit	Inherit the display property of the element's parent
	list-item	Display as a list item
	none	Do not display the element
	run-in	Display as either an inline or block-level element depending on the context (CSS2)
	table	Display as a block-level table
	inline-table	Display as an inline table
	table-caption	Treat as a table caption
	table-cell	Treat as a table cell
	table-column	Treat as a table column
	table-column-group	Treat as a group of table columns
	table-footer-group	Treat as a group of table footer rows
	table-header-group	Treat as a group of table header rows
	table-row	Treat as a table row
	table-row-group	Treat as a group of table rows



The final layout of the Sunny Acres home page



Home The Corn Maze The Haunted Maze Petting Bam Produce

Welcome

Welcome to the home page of our family farm, Sunny Acres, where there's always something happening. With the coming of fall, we're gearing up for our big AutumnFest and Farm Show. If you haven't visited our famous Corn Maze, be sure to do so before it gets torn down on November 5. This year's maze is bigger and better than ever.

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Of course, Sunny Acres is above all, a *farm*. Our Farm Shop is always open with reasonable prices and great produce. Save even more money by picking your own fruits and vegetables from our orchards and gardens.

We all hope to see you soon, down on the farm.

---- Tammy & Brent Nielsen

Hours

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- Sunny Acres is on your left; watch for the green sign

Tammy and Brent Nielsen 1973 Hwy G Council Bluffs, IA 51503



Apply external style sheet to the rest



```
<title>Sunny Acres Haunted Maze</title>
<style type="text/css">
h2, h3 {color: white; background-color: black}
</style>
<link href="farm.css" rel="stylesheet" type="text/css" />
</head>
```

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Summary

- Learned history and concepts of CSS
- Learned different styles and how they are applied
- Learned CSS use of color and CSS styles for font
- Learned to display an animated graphic
- Learned to float elements and apply style to elements
- Learned the properties of the box model

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