

CSS Advantages

Greater typography and page layout control

Style is separate from structure

Styles can be stored in a separate document and associated with the web page

Potentially smaller documents

Easier site maintenance

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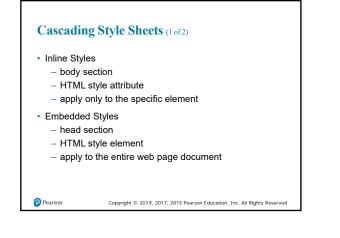
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Types of Cascading Style Sheets

Inline Styles Embedded Styles External Styles Imported Styles

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Cascading Style Sheets (2 of 2)

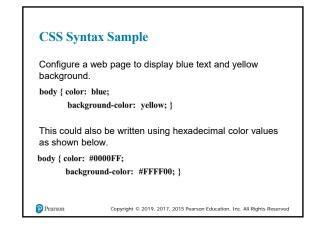
- · External Styles
 - Separate text file with .css file extension
 - Associate with a HTML link element in the head
 - section of a web page
- Imported Styles

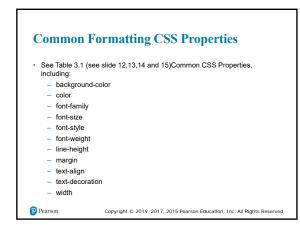
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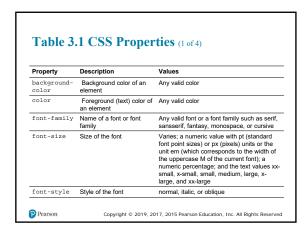
- Similar to External Styles
- We'll concentrate on the other three types of styles.

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<text><text><text><image><image>



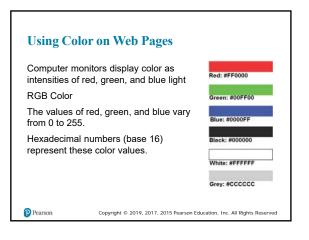


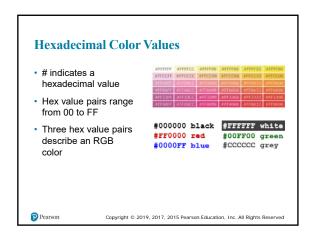


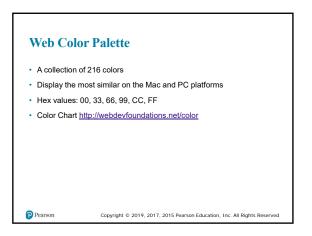
Property	Description	Values
font-weight	The "boldness" or weight of the font	Varies; the text values normal, bold, bolder, and lighter and the numeric values 100, 200, 300, 400, 500, 600, 700, 800, and 900
letter- spacing	The space between characters	A numeric value (px or em) or normal (default)
line-height	The spacing allowed for the line of text	It is most common to use a percentage for this value; for example, a value of 200% would correspond to double-spacing.
configure the margin surrounding an element eliminating the margin, d		A numeric value (px or em); for example, body {margin: 10px} will set the page margins in the document to 10 pixels. When eliminating the margin, do not use the px or em unit—for example, body {margin:0}

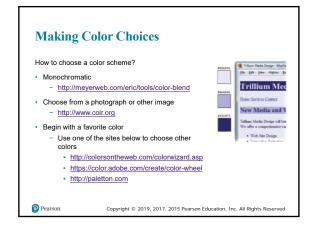
Property	Description	Values	
margin-left	Configures the space in the left margin of the element	A numeric value (px or em), auto, or 0	
margin-right	Configures the space in the right margin of the element	A numeric value (px or em), auto, or 0	
text-align	The alignment of text	center, justify, left, or right	
text- decoration	Determines whether text is underlined; this style is most often applied to hyperfinks in a browser that normalij processes in this manner		
text-indent	Configures the indentation of the first line of text	Numeric value (px or em) or percentage	

Property	Description	Values
text-shadow	Configures a drop shadow on the text displayed within an element. This CSS3 property is not supported in all browsers.	Two to four numerical values (px or em) to indicate horizontal offset, vertical offset, blur radius (optional), and spread distance (optional), and a valid color value.
text- transform	Configures the capitalization of text	none (default), capitalize, uppercase, or lowercase
white-space	Configures the display of whitespace	normal (default), nowrap, pre, pre-line, pre-wrap
width	The width of the content of an element	A numeric value (px or em), numeric percentage, or auto (default)
word-spacing	The space between words	A numeric value (px or em) or normal (default)









Support Web Accessibility Verify Sufficient Contrast

When you choose colors for text and background, sufficient contrast is needed so that the text is easy to read.

Use one of the following online tools to verify contrast:

<u>http://webaim.org/resources/contrastchecker</u>

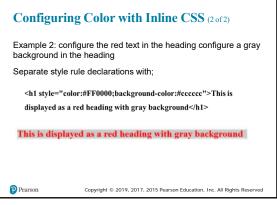
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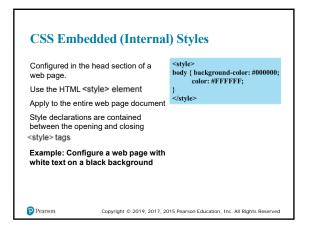
- <u>http://snook.ca/technical/colour_contrast/colour.html</u>
- <u>http://juicystudio.com/services/luminositycontrastratio.php</u>

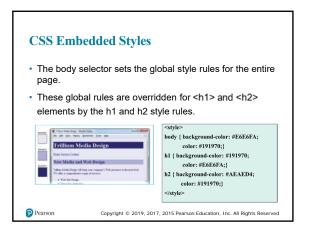
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Configuring Color with Inline CSS (1 of 2)
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Inline CSS
Configured in the body of the web page
Example 2: configure background in the hest background in thest background







Checkpoint 3.1

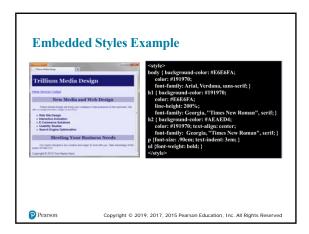
- 1. List three reasons to use CSS on a web page.
- 2. When designing a page that uses colors other than the default colors for text and background, explain why it is a good reason to configure style rules for both text color and background color.
- 3. Describe one advantage to using embedded styles instead of inline styles.

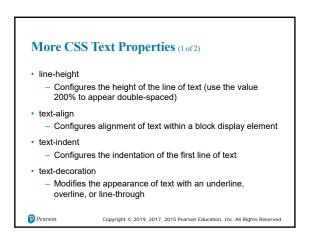
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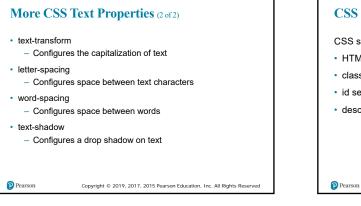
Configuring Text with CSS CSS properties for configuring text: • font-weight • Configures the boldness of text • font-style • Configures text to an italic style • font-size • Configures the size of the text • font-family • Configures the font typeface of the text

	endation	: Use e	m or p	ercenta
e can be ea				
Text Values	Em Units	Px Units	Pt Units	Percentage
n-mail	3 en:	1 (*	19	55
x-small	.40 am.	11 ps	1 pt	625
small	.75 em	13 ps	10 pt	75%
medium	1 em	16 px	12 pt	100%
large	1.15 em	18 px	13.5 pt	110%
x-large	1.5 em	24 px	18 pt	150%
xx-large	2 em	30 px	24 pt	200%

Font Family Category	Font Typeface
serif	Times New Roman, Georgia, Times
sans-Serif	Arial, Verdana, Geneva
monospace	Courier new, Lucida Console
cursive	Brush Script M7 . Comic sans MS
fantasy	Jokeman, Carlz Mi
	s the same fonts installed in their computer







CSS Selectors

CSS style rules can be configured for an:

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- HTML element selector
- class selector
- id selector
- descendant selector

Using CSS with "Id" Using CSS with "Class" class Selector id Selector <style> <style> .new { color: #FF0000; #new { color: #FF0000; · Apply a CSS rule to a certain · Apply a CSS rule to One element font-style: italic; font-size:2em; "class" of elements on a web page on a web page. font-style: italic; Does not associate the style to a Configure with #idname </style> specific HTML element </style> Code CSS to create an id called Configure with .classname "new" with red, large, italic text. code CSS to create a class called Apply the id: "new" with red italic text. Apply the class: This is text is red, large, and in italics This is text is red and in italics This is text is red, large, and in italics This is text is red and in italics Pearson Copyright © 2019, 2017, 2015 Pearson Education, Inc. All Rights Reserved Pearson Copyright © 2019, 2017, 2015 Pearson Education, Inc. All Rights Reserved

