
Week 07 • 10 May 2007

CIS 58.51A - Creating Web Pages 1 - HTML

Week 7 - CSS Properties

Goals

- Font Properties
- Text Properties
- Color & Backgrounds Properties
-

Font Properties

- font-family
- font-size
- font-weight
- font-style
- font-variant
-

Generic Fonts

- font-family: sans-serif
- font-family: serif
- font-family: cursive
- font-family: fantasy
- font-family: monospace

This text is using the sans-serif font

This text is using the serif font

This text is using the cursive font

This text is using the fantasy font

This text is using the monospace font

-

Font Names

- when specifying a font name which contains spaces use single or double quotes.
- inline style - `<p style="font-family: 'Comic Sans MS' ">`
- document & external level - `font-family: "Comic Sans MS"`

- the font has to be already installed on the user's machine, the user's machine may be case sensitive
- specify multiple fonts in case the user does not have the first font listed
- always end the font list with one of the generic fonts
-

font-family

- font-family: Veranda, Geneva, Arial, sans-serif
- font-family: Times, "Times New Roman", Georgia, serif
- font-family: "Comic Sans", "Apple Chancery", cursive
- font-family: "Last Ninja", Impact, fantasy
- font-family: "Courier New", "Andale Mono", monospace

This text is using the Veranda, Geneva, Arial or sans-serif font

This text is using the Times, "Times New Roman", Georgia or serif font

This text is using the "Comic Sans", "Apple Chancery" or, cursive font

This text is using the "Last Ninja", Impact or fantasy font

This text is using the "Courier New", "Andale Mono" or monospace font

-

Font Absolute Sizes

- font-size: xx-small
- font-size: x-small;
- font-size: small
- font-size: medium
- font-size: large
- font-size: x-large
- font-size: xx-large

This text is xx-small size

This text is x-small size

This text is small size

This text is medium size

This text is large size

This text is x-large size

This text is xx-large size

- Value: <absolute-size> | <relative-size> | <length> | <percentage>
- Initial: medium

Font Relative Sizes

- font-size: smaller
- font-size: larger;
- font-size: 150%;

This text is smaller size
 This text is normal size
 This text is larger size
 This text is 150% size

-

Font Size Recommendation

- choose an absolute font size (i.e. medium) as your base font on your body tag rule
- for all others use percentages
-

font-weight

- font-weight: normal
- font-weight: bold
- font-weight: bolder
- font-weight: lighter

This text is normal
This text is bold
This text is bolder
 This text is lighter

- Value: normal | bold | bolder | lighter | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900

font-weight

- font-weight: 100
- font-weight: 200
- ...
- font-weight: 900

This text is 100
 This text is 200
 This text is 300
 This text is 400
 This text is 500
This text is 600
This text is 700
This text is 800
This text is 900

-

font-style

- font-style: normal
- font-style: italic
- font-style: oblique

This text is normal style
This text is italic style
This text is oblique style - you'd expect it to lean the other way

- Value: normal | italic | oblique
- Initial: normal

font-variant

- font-variant: normal
- font-variant: small-caps

This text is normal variant
THIS TEXT IS SMALL-CAPS VARIANT

- Value: normal | small-caps

Text Properties

- text-decoration
- vertical-align
- text-transform
- text-align
- text-indent
-

text-decoration

- text-decoration: none
- text-decoration: underline
- text-decoration: overline
- text-decoration: line-through
- text-decoration: blink

This text has no decoration
 This text has underline decoration
 ^oThis text has overline decoration
 This text has ~~line-through decoration~~

- Value: none | [underline || overline || line-through || blink]
- UAs must recognize the keyword 'blink', but are not required to support the blink effect.

vertical-align

- vertical-align: top
- vertical-align: bottom
- vertical-align: sub
- vertical-align: super

This text has ^{top aligned} text

gThis text has _{bottom aligned} text

This text has subscript text

This text has superscript text

- Value: baseline | sub | super | top | text-top | middle | bottom | text-bottom | <percentage>

text-transform

- text-transform: capitalize
- text-transform: uppercase
- text-transform: lowercase
- text-transform: none

This text is transformed with capitalize -> This text is transformed with none

This text is transformed with capitalize -> This Text Is Transformed With Capitalize

ThIs TeXt iS tRaNsFoRmEd WiTh uppercase -> THIS TEXT IS TRANSFORMED WITH UPPERCASE

ThIs TeXt iS tRaNsFoRmEd WiTh lowercase -> this text is transformed with lowercase

- Value: capitalize | uppercase | lowercase | none

text-align: left

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- Value: left | right | center | justify

text-align: right

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text-align: center

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text-align: justify

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image - float: left

- ``



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- float is not a text property
- img tag is INSIDE the paragraph tag

image - float: right

- ``

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- float is not a text property
- img tag is INSIDE the paragraph tag

text-indent

- `text-indent: 50px`

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- Value: <length> | <percentage>
- use to indent the first line of a paragraph
- use a length in px or a percentage (can be negative)

text-indent

- `text-indent: -50px`

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- use to indent the first line of a paragraph
- use a length in px or a percentage (can be negative)

Color & Backgrounds Properties

- color
- background-color
- background-image
- background-repeat
- background-attachment
- background-position
-

color

- `color: red`

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Color Values

- Keywords
- RGB
 - Hex codes - #FF00AA
 - short hex codes - #F0A
 - integer values - rgb(255,0,0)
 - percent values - rgb(100%, 0%, 0%)
- why so many ways to do the same thing - use what makes sense to you

Named Colors

Color names and sRGB values

Black = #000000	Green = #008000
Silver = #C0C0C0	Lime = #00FF00
Gray = #808080	Olive = #808000
White = #FFFFFF	Yellow = #FFFF00
Maroon = #800000	Navy = #000080
Red = #FF0000	Blue = #0000FF
Purple = #800080	Teal = #008080
Fuchsia = #FF00FF	Aqua = #00FFFF

- These 16 colors are taken from the Windows VGA palette
- book is wrong - no orange

Color and Background Demo

Demo

- color
 - <color>
- background-color
 - <color> | transparent
- background-image
 - <url> | none
 - url(background_01.gif)
 - url(background_02.gif)
 - what if - the image does not load? - specify a background color as backup
- background-repeat:
 - repeat | repeat-x | repeat-y | no-repeat
 - Initial: repeat
- background-attachment
 - scroll | fixed
 - Initial: scroll
- background-position

- [`<percentage>` | `<length>`]{1,2} | [`top` | `center` | `bottom`] || [`left` | `center` | `right`]
- **Initial:** 0% 0%

-
- -

-
- -

-
- -