M2: CSS3 Selectors and Style Properties

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Windows 8

Jump Start Target Agenda

Day 1	HTML, CSS and JavaScript	Day 2	Windows Apps using HTML and JavaScript
Module 1: HTML5 Semantic Structure	Module 1: Designing a Windows 8 App
Module 2: CSS3 Selectors and Style Properties	Module 2: Developing Windows 8 Apps
Module 3: Advanced Layout and Animation	Module 3: Working with Contracts
MEAL BREAK	MEAL BREAK
Module 4: JavaScript Core Capabilities	Module 4: UI and Controls
Module 5: DOM Interactions	Module 5: Interactions
Module 6: Advanced Topics	Module 6: Data Access

Module Agenda

> **Selectors**

Combinators

Color properties

Text properties

Box properties

Style rules syntax

```
selector {

        property: value;

        property: value;

}
```

Selectors

type selectors

.class selectors

#id selectors

[attribute] selectors

:pseudo-class and ::pseudo-element selectors

the universal selector

selector chains, selector chains, selector chains

demo

Module Agenda

Selectors

> Combinators

Color properties

Text properties

Box properties

Combinators

descendant combinator

child > combinator

general ~ sibling

adjacent + sibling

demo

Module Agenda

Selectors

Combinators

> Color properties

Text properties

Box properties

Color properties

color

    named color

    hex (#)

    rgb()/rgba()

    hsl()/hsla()

opacity

demo

Module Agenda

Selectors

Combinators

Color properties

> Text properties

Box properties

Basic text properties

text-decoration: overline | underline | line-through

text-transform: none | lowercase | uppercase | capitalize

text-shadow (i.e., `2px 2px gray`)

demo

Font properties

font-style: normal | italic | oblique

font-variant: normal | small-caps

font-weight: normal | bold | bolder | light | lighter | #

font-size: {length}

line-height: {length}
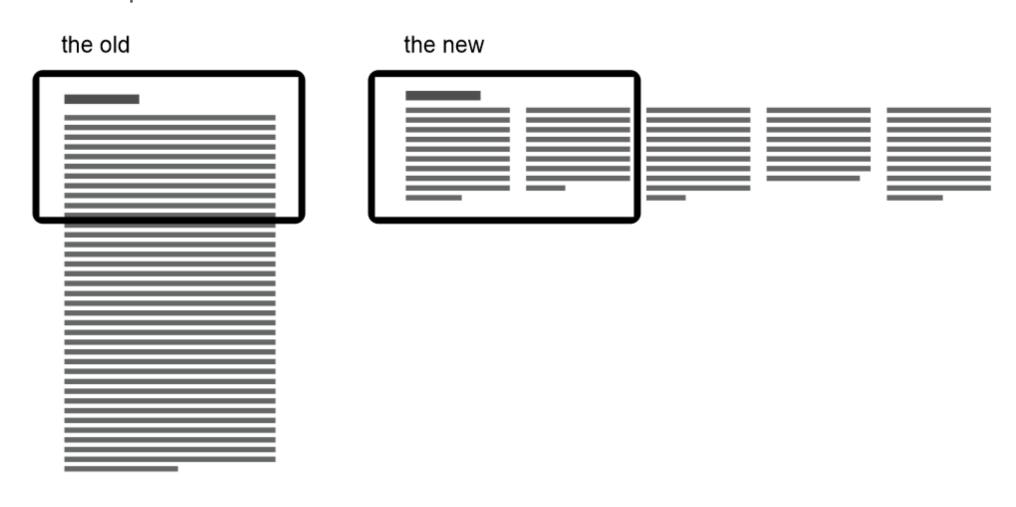
font-family: {font}

font shorthand property

demo

@font-face

defines a font to be used elsewhere in your CSS

```css
/* CSS snippet */
@font-face {
    font-family: "niftyfont";
    src: url("/type/nifty_n.woff") format(woff)
}

.nifty {
    font-family: niftyfont;
}
```

Multiple columns

the old

the new

demo

Module Agenda

Selectors

Combinators

Color properties

Text properties

> Box properties

Border, margin, and padding

border

margin

padding

Box properties

Offset

Margin

Border

Padding

demo

BORDER, MARGIN, AND PADDING

Sizing

width

height

min/max prefixes

box-sizing (content-box | border-box)

demo

Visibility

display (inline | block | inline-block | none | ...)

visibility (visible | hidden)

white-space (normal | pre | nowrap | pre-wrap | pre-line)

overflow (visible | hidden | scroll | auto)

demo

box-shadow and border-radius

box-shadow (i.e., 10px 10px 5px #888888)

border-radius (i.e., 5px)

note: not generally encouraged in Windows 8 design

demo

Gradients

linear gradient

i.e., background-image: linear-gradient(to right, black 0%, white 100%)

radial gradient

i.e., background-image: radial-gradient(circle at 50% 50%, black 0%, white 100%);

note: not generally encouraged in Windows 8 design

Summary

Selectors

Combinators

Color properties

Text properties

Box properties