



Structural Pseudo-classes

- ·:root
 - The root of the document
- + E:nth-child(n)
 - An E element, the n-th child of its parent
- * E:nth-last-child(n)
 - An E element, the n-th child of its parent, counting from the last on
- + E:nth-of-type(n)
 - An E element, the n-th sibling of its type

Structural Pseudo-classes (2)

- -+E:nth-last-of-type(n)
 - An E element, the n-th sibling of its type, counting from the last one
 - E:last-child
 - An E element, last child of its parent
 - E:first-of-type
 - An E element, first sibling of its type
 - E:last-of-type
 - An E element, last sibling of its type

Structural Pseudo-classes (3

- +E:only-child
 - An E element, only child of its parent
- E:only-of-type
 - An E element, only sibling of its type
- E:empty
 - An E element that has no children (including text nodes)
- More detailed descriptions:

http://www.wg.org/TR/cssg-selectors/#structural-pseudos



The UI Element States Pseudo-Classes

- E:enabled
 - A user interface element E which is enabled
- E:disabled
 - A user interface element E which is disabled
- E:checked
 - A user interface element E which is checked (for instance a radio-button or checkbox)
 - Currently supported only in Opera and IE10!



Other CSS 3 Selectors

- → E:target
 - An E element being the target of the referring URI
- E:not(s)
 - An E element that does not match simple selector
- + E ~ F
 - An F element preceded by an E element



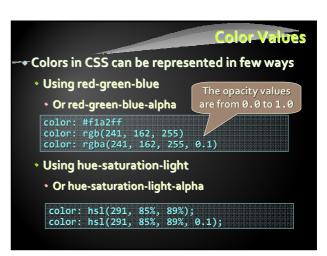


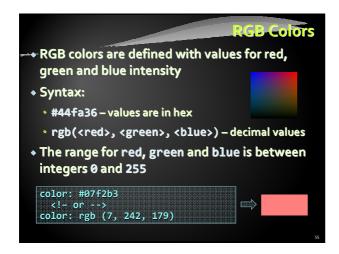
All values in CSS are strings They can represent values that are not strings I.e. 14px means size 14 pixels Colors are set in a red-green-blue format (RGB) Both in hex and decimal li.nav-item { color: #44fle1 } li.nav-item { color: rgb(68, 241, 255) }

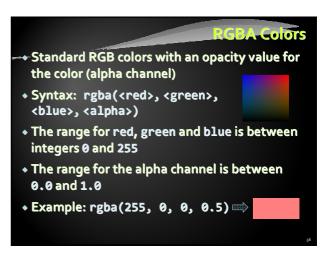
Size Value

- When setting a size (width, height, fontsize...) the values are given as numbers
 - Multiple formats / metrics may be used
 - Pixels, ems, e.g. 12px , 1.4em
 - Points, inches, centimeters, millimeters
 - E.g. 10pt, 1in, 1cm, 1mm
 - Percentages, e.g. 50%
 - Of the size of the container/font size
 - Zero can be used with no unit: border: 0;

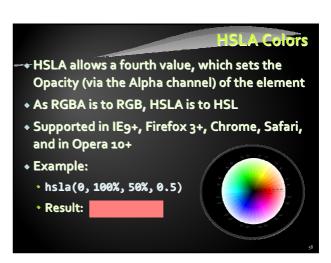
















Default Browser Styles

- → Browsers have predefined CSS styles
 - Used when there is no CSS information or any other style information in the document
- Caution: default styles differ in browsers
 - E.g. margins, paddings and font sizes differ most often
 - Usually developers reset them

```
* { margin: 0; padding: 0; }
body, h1, p, ul, li { margin: 0; padding: 0; }
```

CSS Cascade (Precedence)

- There are browser, user and author stylesheets with "normal" and "important" declarations
 - Browser styles (least priority)
 - Normal user styles
 - Normal author styles (external, in head, inline)
 - Important author styles
 - Important user styles (max priority)

a { color: red !important ; }

http://www.slideshare.net/maxdesign/css-cascade-1658158

62

CSS Specificity

- CSS specificity is used to determine the precedence (priority) of the CSS style declarations with the same origin
 - Simple calculation: #id = 100, .class = 10, :pseudo = 10, [attr] = 10, tag = 1, * = 0
 - Same number of points? Order matters!
 - See also:
 - http://www.smashingmagazine.com/2007/07/27/css-specificitythings-you-should-know/
 - http://css.maxdesign.com.au/selectutorial/advanced_conflict.htm



CSS References

- The CSS documentation at WebPlatform.org:
 - http://docs.webplatform.org/wiki/css
- CSS documentation at Mozilla
 - https://developer.mozilla.org/en-US/docs/CSS
- CSS₃ tutorial
 - http://www.w3schools.com/css3/
- A list of all CSS 2.1 properties is available at http://www.w3.org/TR/CSS2/propidx.html

65