

## CSE 154: Web Programming

### CSS “Cheat Sheet”

#### Selector Types

Name	Description	Example(s)
Universal	Any element	<code>.foo * { font: 10pt Arial; }</code>
Element	Any element of a given type	<code>h1 { text-decoration: underline; }</code>
Grouping	Multiple elements of different types	<code>h1, h2, h3 { color: purple; }</code>
Class	Elements with the given class name	<code>.example { text-decoration: underline; }</code>
Id	Single element with the given id	<code>#example { text-decoration: overline; }</code>
Descendant	Elements that are children at any level of another specified element	<code>#example h1 { text-decoration: underline; }</code>
Child	Elements that are direct children of another specified element	<code>#example &gt; p { font-weight: bold; }</code>
Attribute	Elements that have the specified attribute	<code>input[selected] - inputs that have the selected attribute</code>  <code>input[name='test'] - inputs that have a name 'test'</code>

For the following property and value tables, anything *emphasized* represents values that should be replaced with specific units (e.g., *length* should be replaced with a `px`, `pt`, or `em` for many properties, and *color* should be replaced with a valid color value such as a hex or rgb code).

A use of `|` refers to separation of possible values (where you cannot provide two of these possible values for one property) and `[value value value]` refers to a grouping of possible values that can optionally be used together (e.g., `[h-shadow v-shadow blur spread color]` for `box-shadow`).

## Background Styles

Property	Values
<code>background-color</code>	<i>color</i>   transparent
<code>background-image</code>	<i>url</i>   none
<code>background-origin</code>	border-box   padding-box   content-box
<code>background-position</code>	top left   top center   top right   center left   center center   center right   bottom left   bottom center   bottom right [ <i>x-% y-%</i> ]   [ <i>x-pos y-pos</i> ]
<code>background-size</code>	<i>length</i>   %   auto   cover   contain
<code>background-repeat</code>	repeat   repeat-x   repeat-y   no-repeat
<code>background-attachment</code>	scroll   fixed

## Border Styles

Note: Replace '\*' with any side of the border (top, right, left, bottom) for the desired effect.

Example style: 'border: 2px solid red' applies a solid red border with a width of 2px to all four sides of the element, while 'border-left: 2px solid red' only applies that border to the left border'.

Property	Values
border, border-* (shorthand)	border-width, border-*-width border-style, border-*-style border-color, border-*-color
border-width, border-*-width	thin   medium   thick   length
border-style, border-*-style	none   hidden   dotted   dashed   solid   double   groove   rigid   inset   outset
border-color, border-*-color	<i>color</i>
box-shadow	none   inset   [ <i>h-shadow v-shadow blur spread color</i> ]
border-radius	<i>length</i>

## Font and Text Styles

Property	Values
font-style	normal   italic   oblique   inherit
font-family	<i>fontname</i>
font-size	<i>length</i>   %
font-weight	normal   bold   inherit
text-align	left   right   center   justify
text-decoration	none   [underline overline line-through blink]
text-shadow	none   [ <i>color length</i> ]
text-indent	<i>length</i>   %
text-transform	none   capitalize   uppercase   lowercase
list-style-type	none   asterisks   box   check   diamond   disc   hyphen   square   decimal   lower-roman   upper-roman   lower-alpha   upper-alpha   lower-greek   upper-greek   lower-latin   upper-latin   footnotes

## Color Values

Value	Description
colorname	Standard name of color, such as red, blue, purple, etc.
rgb (redvalue, greenvalue, bluevalue)	Example: red = rgb(255, 0, 0) or red = rgb(100%, 0, 0)
#RRGGBB	Example: red = #FF0000

## Box Model

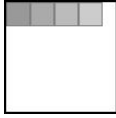
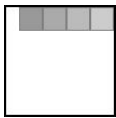
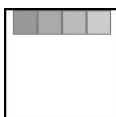
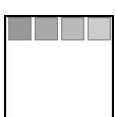
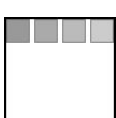
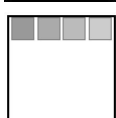
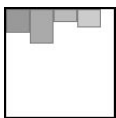
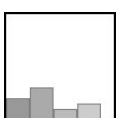
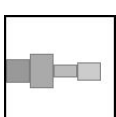
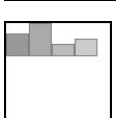
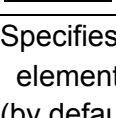
Property	Values
float	left   right   none
height, width	auto   <i>length</i>   %
min-height, max-height min-width, max-width	none   <i>length</i>   %
margin, margin-*	auto   <i>length</i>   %
padding, padding-*	<i>length</i>   %
display	none   inline   block   inline-block   flex   list-item   compact   table   inline-table
overflow, overflow-x, overflow-y	visible   hidden   scroll   auto   no-display   no-content
clear	left   right   both   none

## Flex Box

Property	Values	Element Type	Description
display	flex	Flex container	Sets all children to become 'flex-items'
flex-direction	row   row-reverse   column   column-reverse	Flex container	Indicates if the container flows horizontally (row) or vertically (column)

(Flex Box continued on next page)

**(Flex Box continued from previous page)**

Property	Values	Element Type	Description
justify-content	flex-start flex-end center space-around space-between space-evenly	Flex container	Indicates how to position the flex-items in the parent container      
align-items	stretch (default) flex-start flex-end center baseline	Flex container	Indicates how to space the items inside the container along the cross axis     
order	<i>number</i>	Flex item	Specifies the order in which the element appears in the flex container (by default, flex items are laid out in the source order)
align-self	flex-end   flex-start   center   baseline   stretch (default)	Flex item	Indicates where to place this specific item along the cross axis