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# Beginner’s essential CSS CHEAT SHEET

## Backgrounds

<b>background</b>	<b>background-size</b>
background-image	length
background-position	%
background-size	auto   cover   contain
background-repeat	
background-attachment	<b>background-repeat</b>
background-origin	repeat   repeat-x   repeat-y   no-repeat
background-clip	
background-color	<b>background-attachment</b>
	scroll   fixed   local
<b>background-image</b>	
url   Gradients   none	<b>background-origin</b>
	border-box   padding-box   content-box
<b>background-position</b>	
top left   top center   top right   center left   center center   center right   bottom left   bottom center   bottom right	<b>background-clip</b>
x-% y-% x-pos y-pos	border-box   padding-box   content-box   no-clip
	<b>background-color</b>
	color
	transparent

## Border

<b>border</b>	<b>border-top-color</b>
border-width	border-color
border-style	
border-color	<b>border-top-width</b>
	thin   medium   thick   length
<b>border-width</b>	
thin   medium   thick   length	<b>border-bottom</b>
<b>border-style</b>	border-bottom-width
none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset	border-style
<b>border-color</b>	border-color
color	<b>border-bottom-color</b>
<b>border-left</b>	border-color
border-left-width	<b>border-bottom-style</b>
border-style	border-style
border-color	
<b>border-left-style</b>	<b>border-break</b>
border-style	border-width
<b>border-left-color</b>	border-style
border-color	color
<b>border-left-width</b>	close
thin   medium   thick length	<b>box-shadow</b>
<b>border-right</b>	inset    [ length, length, length, length    <color> ]
border-right-width	none
border-style	<b>border-collapse</b>
border-color	collapse   separate
<b>border-right-style</b>	
border-style	<b>border-image</b>
<b>border-right-color</b>	image
border-color	[ number / % border-width stretch   repeat   round ]
<b>border-right-width</b>	none
thin   medium   thick   length	<b>border-radius</b>
<b>border-top</b>	border-radius
border-top-width	border-top-right-radius
border-style	border-bottom-right-radius
border-color	border-bottom-left-radius
<b>border-top-style</b>	border-top-left-radius
border-style	
	<b>border-top-right-radius</b>
	length
	<b>border-bottom-right-radius</b>
	length
	<b>border-bottom-left-radius</b>
	length

## Box Model

<b>float</b>	<b>padding-left</b>
left   right   none	length
<b>height</b>	%
auto	<b>padding-right</b>
length	length
%	%
<b>max-height</b>	<b>padding-top</b>
none	length
length	%
%	<b>display</b>
<b>max-width</b>	none   inline   block   inline-block   list-item   run-in
none	compact   table   inline-table
length	table-row-group   table-header-group   table-footer-group
%	table-row   table-column-group
<b>min-height</b>	table-column   table-cell
none	table-caption   ruby   ruby-base   ruby-text   ruby-base-group
length	ruby-text-group   inline-flex   inline-grid
%	contents
<b>width</b>	<b>overflow</b>
auto	visible   hidden   scroll
%	auto   no-display   no-content
length	overflow-x
<b>margin</b>	overflow-y
margin-top	<b>overflow-style</b>
margin-right	auto   marquee-line   marqueeblock
margin-bottom	
margin-left	<b>overflow-x</b>
<b>margin-bottom</b>	visible   hidden   scroll
auto	auto   no-display   no-content
length	<b>rotation</b>
%	angle
<b>margin-left</b>	
auto	<b>rotation-point</b>
height	position (paired value off-set)
%	
<b>margin-right</b>	<b>visibility</b>
auto	visible   hidden   collapse
height	
%	<b>clear</b>
<b>margin-top</b>	left   right   both   none
auto	
length	
%	
<b>padding</b>	
padding-top	
padding-right	
padding-bottom	
padding-left	
<b>padding-bottom</b>	
length	
%	







## List & Markers

<b>list-style</b>	<b>list-style-image</b>
list-style-type	none
list-style-position	url
list-style-image	
	<b>marker-offset</b>
<b>list-style-type</b>	auto
none   asterisks   box   check   circle   diamond   disc   hyphen   square   decimal   decimal-leading-zero   lower-roman   upper-roman   lower-alpha   upper-alpha   lower-greek   lower-latin   upper-latin   hebrew   armenian   georgian   cjk-ideographic   hiragana   katakana   hiragana-iroha   katakana-iroha   footnotes	length

## Animations

<b>animations</b>	<b>animation-timing-function</b>
animation-name	ease   linear   ease-in   easeout   ease-in-out   cubic-Bezier (number, number, number, number)
animation-duration	
animation-timing-function	
animation-delay	<b>animation-delay</b>
animation-iteration-count	time
animation-direction	
	<b>animation-iteration-count</b>
<b>animation-name</b>	inherit
none   IDENT	number
<b>animation-duration</b>	<b>animation-direction</b>
time	normal   alternate
	<b>animation-play-state</b>
	running   paused

## Transitions

<b>transitions</b>	<b>transitions-property</b>
transitions-property	none   all
transitions-duration	
transitions-timing-function	<b>transition-timing-function</b>
transitions-delay	ease   linear   ease-in   ease-out   ease-in-out   cubicBezier(number, number, number, number)
<b>transitions-delay</b>	
time	
<b>transitions-duration</b>	
time	

## UI

<b>appearance</b>	<b>nav-index</b>
normal   inherit   [icon   window   desktop   work-space   document   tooltip   dialog   button   push-button   hyperlink   radio-button   checkbox   menu-item   tab   menu   menubar   pull-down-menu   pop-up-menu   list-menu   radio-group   checkbox-group   outline-tree   range   field   combo-box   signature   password]	auto   inherit
	number
<b>cursor</b>	<b>nav-up</b>
auto   crosshair   default   pointer   move   e-resize   neresize   nw-resize   n-resize   se-resize   sw-resize   swresize   s-resize   w-resize   text   wait   help	auto   inherit <id> [current   root   <target-name>]
url	
	<b>nav-right</b>
	auto   inherit <id> [current   root   <target-name>]
<b>icon</b>	
auto   inherit	<b>nav-down</b>
url	auto   inherit <id> [current   root   <target-name>]
	<b>nav-left</b>
	auto   inherit <id> [current   root   <target-name>]
	<b>resize</b>
	none   both   horizontal   vertical   inherit

## Pseudo-class

<b>:active</b>	an activated element
<b>:focus</b>	an element while the element has focus
<b>:hover</b>	an element when you mouse over it
<b>:link</b>	an unvisited link
<b>:disabled</b>	an element while the element is disabled
<b>:enabled</b>	an element while the element is enabled
<b>:checked</b>	an element that is checked
<b>:selection</b>	an element that is currently selected or highlighted by the user
<b>:lang</b>	allows the author to specify a language to use in a specified element
<b>:nth-child(n)</b>	an element that is the n-th sibling
<b>:nth-last-child(n)</b>	an element that is the n-th sibling counting from the last sibling
<b>:first-child</b>	an element that is the first sibling
<b>:last-child</b>	an element that is the last sibling
<b>:only-child</b>	an element that is the only child
<b>:nth-of-type(n)</b>	an element that is the n-th sibling of its type
<b>:nth-last-of-type(n)</b>	an element that is the n-th sibling of its type counting from the last sibling
<b>:last-of-type</b>	an element that is the last sibling of its type
<b>:first-of-type</b>	an element that is the first sibling of its type
<b>:only-of-type</b>	an element that is the only child of its type
<b>:empty</b>	an element that has no children
<b>:root</b>	root element within the document
<b>:not(x)</b>	an element not represented by the argument 'x'
<b>:target</b>	a target element as specified by a target in a UR

## Pseudo-element

<b>::first-letter</b>	Adds special style to the first letter of a text
<b>::first-line</b>	Adds special style to the first line of a text
<b>::before</b>	Inserts some content before the content of an element
<b>::after</b>	Inserts some content after the content of an element

## Absolute Measurement

<b>%</b>	percentage
<b>cm</b>	centimeter
<b>in</b>	inch
<b>mm</b>	millimeter
<b>pc</b>	pica (1p = 12 points)
<b>pt</b>	point (1pt = 1/72 inch)
<b>px</b>	pixels

## Relative Measurement

<b>ch</b>	width of the "0" glyph found in the font for the font size used to render
<b>em</b>	1em = current font size of current element
<b>ex</b>	x-height of the element's font
<b>gd</b>	the grid defined by 'layout-grid'
<b>rem</b>	the font size of the root element
<b>vh</b>	the viewport's height
<b>vw</b>	the viewport's width
<b>vm</b>	viewport's height or width, whichever is smaller of the two

## Angles

<b>deg</b>	degrees
<b>grad</b>	grads
<b>rad</b>	radians
<b>turn</b>	turns

## Time

<b>ms</b>	milli-seconds
<b>s</b>	seconds

## Frequency

<b>Hz</b>	hertz
<b>kHz</b>	kilo-hertz

## Colors

<b>color name</b>	red, blue, green, dark green
<b>rgb(x,y,z)</b>	red = rgb(255,0,0)
<b>rgb(x%,y%,z%)</b>	red = rgb(100%,0,0)
<b>rgba(x,y,z,alpha)</b>	red = rgba(255,0,0,0)
<b>#rrggbb</b>	red = #ff0000 (or shorthand - #f00)
<b>hsl</b>	red = hsl (0, 100%, 50%)
<b>flavor</b>	An accent color (typically chosen by the user) to customize the user interface of the user agent itself.
<b>currentColor</b>	Computer value of the 'currentColor' keyword is the computed value of the 'color' property



# Selector Types

Name	Info	Example
Universal	Any element	* { font: 10px Arial; }
Type	Any element of that type	h1 { text-decoration: underline; }
Grouping	Multiple elements of different types	h1, h2, h3 { font-family: Verdana; }
Class	Multiple elements of different types when you don't want to affect all instances of that type	.sampleClass { text-decoration: underline; }
Id	A single element type when you don't want to affect all instances of that type	#sampleID { text-decoration: underline; }
Descendant	An element that is below (in the document tree) another element - no matter how many levels below	#gallery h1 { text-decoration: underline; }
Child	An element that is directly below (in the document tree) another element	#title > p { font-weight: bold; }
Adjacent Sibling	All elements that share the same parent and elements are in the same immediate sequence	h1 + p { font-style: italic; }
General Sibling	All elements that share the same parent and elements are in the same sequence (not necessarily immediate)	h1 ~ p { font-style: italic; }
Attribute	An element that matches the attribute listed	E[selected] - att whatever the value  E[att="val"] - att with a specific value  E[rel~="next"] - att with a value is a whitespace separated list  *[lang="en"] - att value either being exactly "val" or beginning with "val" immediately followed by "-"  E[att^="val"] - att value that begins with the prefix "val"

## Outline

<b>outline</b>	<b>outline-style</b>
outline-color	none   dotted   dashed   solid   double   groove   ridge   inset   outset
outline-style	
outline-width	<b>outline-width</b>
	thin   medium   thick
<b>outline-offset</b>	length
inherit	
length	

## 3D / 2D Transform

<b>backface-visibility</b>	<b>transform</b>
visible   hidden	none   matrix   matrix3d   translate3d   tranlateX   translateY   translateZ   scale   scale3d   scaleX   scaleY   scaleZ   rotate   rotate3d   rotateX   rotateY   rotateZ   skewX   skewY   skew   perspective
<b>perspective</b>	
none	
number	
<b>perspective-origin</b>	<b>transform-origin</b>
[ [ percentage>   <length>   left   center   right ] [ <percentage>   <length>   top   bottom ]? ] <length> ]   [ [ left   center   right ]    [ top   center   bottom ] ] <length> ]	[ [ [ <percentage>   <length>   left   center   right ] [ <percentage>   <length>   top   center   bottom ]? ] <length> ]   [ [ [ left   center   right ]    [ top   center   bottom ] ] <length> ]
	<b>transform-style</b>
	flat   preserve-3d

## Generated Content

<b>bookmark-label</b>	<b>hyphenate-lines</b>
content	no-limit
attr	integer
string	
<b>bookmark-level</b>	<b>hyphenate-resource</b>
none	none
url	url
integer	
<b>bookmark-target</b>	<b>hyphens</b>
self	none   manual   auto
url	
attr	<b>image-resolution</b>
	normal   auto
	dpi
<b>border-length</b>	<b>hyphenate-before</b>
self	auto
url	integer
attr	
<b>content</b>	<b>hyphenate-character</b>
normal   none   inhibit	auto
url	string
<b>counter-reset</b>	<b>marks</b>
none	[crop    cross ]   none
identifier number	
<b>crop</b>	<b>move-to</b>
auto	normal   here
shape	identifier
<b>display</b>	<b>page-policy</b>
normal   none   list-item	start   first   last
<b>float-offset</b>	<b>quotes</b>
length length	none
	string string string string
<b>hyphenate-after</b>	<b>string-set</b>
auto	identifier
integer	content-list
<b>counter-increment</b>	<b>text-replace</b>
none	none
identifier number	[<string> <string>]+

## Line Box

<b>alignment-adjust</b>	<b>drop-initial-size</b>
auto   baseline   before-edge   text-before-edge   middle   central   after-edge   textafter-edge   ideographic   alphabetic   hanging   mathematical	auto
length	integer
%	%
	<b>inline-box-align</b>
<b>alignment-baseline</b>	initial   last
baseline   ise-script   beforeedge   text-before-edge   afteredge   text-after-edge   central   middle   ideographic   alphabetic   hanging   mathematical	integer
<b>baseline-shift</b>	<b>line-height</b>
baseline   sub   super	normal
length	number
%	length
<b>dominant-baseline</b>	%
auto   use-script   no-change   reset-size   alphabetic   hanging   ideographic   mathematical   central   middle   text-after-edge   text-beforeedge	<b>line-stacking</b>
<b>drop-initial-after-align</b>	line-stacking-strategy
alignment-baseline	line-stacking-ruby
drop-initial-after-align	line-stacking-shift
central   middle   after-edge   text-after-edge   ideographic   alphabetic   mathematical	<b>line-stacking-strategy</b>
%	inline-line-height   block-lineheight   max-height   gridheight
<b>drop-initial-before-align</b>	<b>line-stacking-ruby</b>
caps-height	exclude-ruby   include-ruby
alignment-baseline	<b>line-stacking-shift</b>
drop-initial-before-adjust	consider-shifts   disregardshifts
before-edge   text-before-edge   central   middle   hanging   mathematical	<b>line-stacking</b>
length	line-stacking-strategy
%	line-stacking-ruby
<b>drop-initial-value</b>	line-stacking-shift
initial	<b>text-height</b>
integer	auto   font-size   text-size   max-size
	<b>vertical-align</b>
	Baseline   sub   super   top   text-top   middle   bottom   text-bottom
	length
	%

## Hyperlink

<b>target</b>	<b>target-new</b>
target-name	window   tab   none
target-new	
target-position	<b>target-position</b>
	above   behind   front   back
<b>target-name</b>	
current   root   parent   new   modal	
string	

## Positioning

<b>bottom</b>	<b>top</b>
auto	auto
%	%
length	length
<b>right</b>	<b>left</b>
auto	auto
%	%
length	length
<b>clip</b>	<b>z-index</b>
shape	auto
auto	Number
	<b>position</b>
	static   relative   absolute   fixed