

# 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>	<b>background-origin</b>
url   Gradients   none	border-box   padding-box   content-box
<b>background-position</b>	<b>background-clip</b>
top left   top center   top right   center left   center center   center right   bottom left   bottom center   bottom right	border-box   padding-box   content-box   no-clip
<b>x-y</b>	<b>background-color</b>
x-pos y-pos	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>	<b>border-bottom</b>
thin   medium   thick   length	border-bottom-width
	border-style
<b>border-style</b>	border-color
none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset	<b>border-bottom-color</b>
<b>border-color</b>	border-color
color	<b>border-bottom-style</b>
	border-style
<b>border-left</b>	<b>border-break</b>
border-left-width	border-width
border-style	border-style
border-color	color
	close
<b>border-left-style</b>	<b>box-shadow</b>
border-style	inset    [ length, length, length, length    <color> ] none
<b>border-left-color</b>	
border-color	<b>border-collapse</b>
	collapse   separate
<b>border-left-width</b>	
thin   medium   thick length	<b>border-image</b>
	image
<b>border-right</b>	[ number / % border-width stretch   repeat   round ] none
border-right-width	
border-style	<b>border-radius</b>
border-color	border-radius
	border-top-right-radius
<b>border-right-style</b>	border-bottom-right-radius
border-style	border-bottom-left-radius
<b>border-right-color</b>	border-top-left-radius
border-color	
	<b>border-top-right-radius</b>
<b>border-right-width</b>	length
thin   medium   thick   length	
	<b>border-bottom-right-radius</b>
<b>border-top</b>	length
border-top-width	
border-style	<b>border-bottom-left-radius</b>
border-color	length
<b>border-top-style</b>	
border-style	

## Box Model

<b>float</b>	<b>padding-left</b>
left   right   none	length
	%
<b>height</b>	<b>padding-right</b>
auto	length
length	%
%	
<b>max-height</b>	<b>padding-top</b>
none	length
length	%
%	
<b>max-width</b>	<b>display</b>
none	none   inline   block   inline-block   list-item   run-in   compact   table   inline-table   table-row-group   table-header-group   table-footer-group   table-row   table-column-group   table-column   table-cell   table-caption   ruby   ruby-base   ruby-text   ruby-base-group   ruby-text-group   inline-flex   inline-grid   contents
<b>min-height</b>	
none	
length	
%	
<b>width</b>	<b>overflow</b>
auto	visible   hidden   scroll   auto   no-display   no-content
%	<b>overflow-x</b>
length	overflow-y
<b>margin</b>	<b>overflow-style</b>
margin-top	auto   marquee-line   marqueeblock
margin-right	
margin-bottom	<b>overflow-x</b>
margin-left	visible   hidden   scroll   auto   no-display   no-content
<b>margin-bottom</b>	<b>rotation</b>
auto	angle
length	
%	<b>rotation-point</b>
<b>margin-left</b>	position (paired value off-set)
auto	
height	<b>visibility</b>
%	visible   hidden   collapse
<b>margin-right</b>	<b>clear</b>
auto	left   right   both   none
height	
%	
<b>margin-top</b>	
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>list-style-type</b>	<b>marker-offset</b>
none   asterisks   box   check   circle	auto
disc   none   square   triangle	length
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	
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-name</b>	<b>animation-iteration-count</b>
none   IDENT	inherit
	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   cubic-bezier (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	auto   inherit
work-space   document   tooltip   dialog	number
button   push-button   hyperlink   radio-button	
checkbox   menu-item   tab   menu   menubar	<b>nav-up</b>
pull-down-menu   pop-up-menu   list-menu	auto   inherit <id> [current   root
radio-group   checkbox-group   outline-tree	<target-name>
range   field   combo-box   signature   password	
<b>cursor</b>	<b>nav-right</b>
auto   crosshair   default   pointer   move	auto   inherit <id> [current   root
e-resize   neresize   nw-resize   n-resize	<target-name>
se-resize   sw-resize   s-resize   s-resize	<b>nav-down</b>
w-resize   text   wait   help	auto   inherit <id> [current   root
url	<target-name>
<b>icon</b>	<b>nav-left</b>
auto   inherit	auto   inherit <id> [current   root
url	<target-name>
	<b>resize</b>
	none   both   horizontal   vertical   inherit
Pseudo-class	
.active	an activated element
.focus	an element while the element has focus
.hover	an element when you mouse over it
.link	an unvisited link
.disabled	an element while the element is disabled
.enabled	an element while the element is enabled
.checked	an element that is checked
.selected	an element that is currently selected or highlighted by the user
.lang	allows the author to specify a language to use in a specified element
.nth-child(n)	an element that is the n-th sibling
.nth-last-child(n)	an element that is the n-th sibling counting from the last sibling
.first-child	an element that is the first sibling
.last-child	an element that is the last sibling
.only-child	an element that is the only child
.nth-of-type(n)	an element that is the n-th sibling of its type
.nth-last-of-type(n)	an element that is the n-th sibling of its type counting from the last sibling
.last-of-type	an element that is the last sibling of its type
.first-of-type	an element that is the first sibling of its type
.only-of-type	an element that is the only child of its type
.empty	an element that has no children
.root	root element within the document
.not(x)	an element not represented by the argument 'x'
.target	a target element as specified by a target in a URL
Pseudo-element	
::first-letter	Adds special style to the first letter of a text
::first-line	Adds special style to the first line of a text
::before	Inserts some content before the content of an element
::after	Inserts some content after the content of an element
Absolute Measurement	
%	percentage
cm	centimeter
in	inch
mm	millimeter
pc	pica (1p = 12 points)
pt	point (1pt = 1/72 inch)
px	pixels
Relative Measurement	
ch	width of the "0" glyph found in the font for the font size used to render
em	1em = current font size of current element
ex	x-height of the element's font
gd	the grid defined by 'layout-grid'
rem	the font size of the root element
vh	the viewport's height
vw	the viewport's width
vm	viewport's height or width, whichever is smaller of the two
Angles	
deg	degrees
grad	grads
rad	radians
turn	turns
Time	
ms	milli-seconds
s	seconds
Frequency	
Hz	hertz
kHz	kilo-hertz
Colors	
color name	red, blue, green, dark green
rgb(x,y,z)	red = rgb(255,0,0)
rgb(x,y,z)	red = rgb(100,0,0)
rgba(x,y,z,alpha)	red = rgba(255,0,0,0)
#rrggbb	red = #ff0000 (or shorthand - #f00)
hsl	red = hsl (0, 100%, 50%)
flavor	An accent color (typically chosen by the user) to customize the user interface of the user agent itself.
currentColor	Computer value of the 'currentColor' keyword is the computed value of the 'color' property

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	[selected] - att whatever the value [title="val"] - att with a specific value [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 "-" [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-offset</b>	<b>outline-width</b>
inherit	thin   medium   thick
length	length

## 3D / 2D Transform

<b>backface-visibility</b>	<b>transform</b>
visible   hidden	none   matrix   matrix3d   translate3d   translate   translateX   translated   scale   scaleX   scaleY   scale3d   scaleZ   rotate   rotate3d   rotateX   rotateY   rotateZ   skewX   skewY   skew   perspective
<b>perspective</b>	<b>transform-origin</b>
none	transform-origin
number	[[ [ <percentage>   <length>   left   center   right ]   [ <percentage>   <length>   top   center   bottom ]? ]? <length> ]   [ [ left   center   right ]    [ top   center   bottom ] ] <length> ]
<b>perspective-origin</b>	<b>transform-style</b>
[[ [ <percentage>   <length>   left   center   right ]   [ <percentage>   <length>   top   center   bottom ]? ]? <length> ]   [ [ left   center   right ]    [ top   center   bottom ] ] <length> ]	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
integer	url
<b>bookmark-target</b>	<b>hyphens</b>
self	none   manual   auto
url	
attr	<b>image-resolution</b>
	normal   auto
<b>border-length</b>	dpi
self	<b>hyphenate-before</b>
url	auto
attr	integer
<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   text-after-edge   ideographic   alphabetic   hanging   mathematical	auto
length	integer
¶	¶
<b>alignment-baseline</b>	<b>inline-box-align</b>
baseline   top   middle   bottom   text-top   text-bottom   text-before-edge   text-after-edge   central   middle   ideographic   alphabetic   hanging   mathematical	initial   last   inherit
<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-before-edge	<b>line-stacking</b>
<b>drop-initial-after-align</b>	line-stacking-strategy
alignment-baseline	line-stacking-ruby
drop-initial-before-align	line-stacking-shift
central   middle   after-edge   text-after-edge   ideographic   alphabetic   mathematical	¶
¶	<b>line-stacking-strategy</b>
<b>drop-initial-before-align</b>	inline-line-height   block-line-height   max-height   autoheight
cap-height	<b>line-stacking-ruby</b>
alignment-baseline	exclude-ruby   include-ruby
drop-initial-before-adjust	<b>line-stacking-shift</b>
before-edge   text-before-edge   central   middle   hanging   mathematical	consider-shifts   disregard-shifts
length	¶
¶	<b>line-stacking</b>
<b>drop-initial-value</b>	line-stacking-strategy
initial	line-stacking-ruby
integer	line-stacking-shift
	¶
	<b>text-height</b>
	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   none   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