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Beginner’s essential CSS CHEAT SHEET

Backgrounds

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

Border

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

Box Model

float	padding-left
left right none	length
height	%
auto	padding-right
length	length
%	%
max-height	padding-top
none	length
length	%
%	display
max-width	none inline block inlineblock
none	list-item run-in
length	compact table inline-table
%	table-row-group table-headergroup
min-height	table-footer-group
none	table-row table-column-group
length	table-column table-cell
%	table-caption ruby ruby-base
width	ruby-text ruby-base-group
auto	ruby-text-group
%	marquee-direction
length	forward reverse
margin	marquee-loop
margin-top	infinite
margin-right	integer
margin-bottom	marquee-play-count
margin-left	infinite
margin-bottom	integer
auto	marquee-speed
length	slow normal fast
%	marquee-style
margin-left	scroll slide alternate
auto	overflow
height	visible hidden scroll
%	auto no-display no-content
margin-right	overflow-x
auto	overflow-y
height	overflow-style
%	auto marquee-line marqueeblock
margin-top	overflow-x
auto	visible hidden scroll
length	auto no-display no-content
%	rotation
padding	angle
padding-top	rotation-point
padding-right	position (paired value off-set)
padding-bottom	visibility
padding-left	visible hidden collapse
padding-bottom	clear
length	left right both none
%	

Font

font

font-style
font-variant
font-weight
font-size/line-height
font-family
caption | icon | menu | messagebox
| small-caption | status-bar

font-size-adjust

none | inherit
number

font-family

normal | wider | narrower |
ultra-condensed | extracondensed
| condensed | semicondensed
| semi-expanded |
ultra-expanded | inherit

font-style

normal | italic | oblique |
inherit

font-variant

normal | small-caps | inherit

font-size

xx-small | x-small | small |
medium | large | x-large | xxlarge
| smaller | larger |
inherit
length
%

font-weight

normal | bold | bolder | lighter
| 100 | 200 | 300 | 400 | 500 |
600 | 700 | 800 | 900 | inherit

Text

direction

ltr | rtl | inherit

hanging-punctuation

none | [start | end | endedge]

letter spacing

normal
length
%

text-outline

none
color
length

unicode-bidi

normal | embed | bidi-override

white-space

normal | pre | nowrap | pre-wrap
| pre-line

white-space-collapse

preserve | collapse | pre-servebreaks
| discard

punctuation-trim

none | [start | end |
adjacent]

text-align

start | end | left | right |
center | justify

text-align-last

start | end | left | right |
center | justify

text-decoration

none | underline | overline |
line-thorough | blink

text-shadow

none
color
length

word-break

normal | keep-all | loose |
break-strict | break-all

word-wrap

normal
length
%

text-emphasis

none | [[accent | dot | circle
| disc | [before | after]?]

text-indent

length
%

text-justify

auto | inter-word | interideograph
| inter-cluster |
distribute | kashida | tibetan

text-transform

none | capitalize | uppercase |
lowercase

text-wrap

normal | unresrricted | none |
suppress

word-spacing

normal
length
%

Column

column-count

auto
number

column-fill

auto | balance

column-gap

normal
length

column-rule

column-rule-width
column-rule-style
column-rule-color

column-rule-style

border-style

columns

column-width
column-count

column-rule-width

thin | medium | thick
length

column-width

auto
length

column-span

1 | all

Colors

color

inherit
color

opacity

inherit
number

Grid Positioning

grid-columns

none | inherit
[length percentage relative length]

grid-rows

none | inherit
[length percentage relative length]

Template Layout

box-align

start | end | center | base

box-direction

normal | reverse

box-flex

normal

box-flex-group

integer

box-lines

single | multiple

box-orient

horizontal | verticle | inlineaxis
| block-axis

box-pack

start | end | center | justify

box-sizing

content-box | padding-box |
border-box | margin-box

tab-side

top | bottom | left | right

Table

border-collapse

collapse | separate

empty-cells

show | hide

border-spacing

length length

table-layout

auto | fixed

caption-side

top | bottom | left | right

Speech

cue

cue-before
cue-after

cue-before

url [silent | x-soft | soft | medium | loud
| x-loud | none | inherit]
number
%

cue-after

url [silent | x-soft | soft | medium | loud
| x-loud | none | inherit]
number
%

mark

mark-before
mark-after

mark-before

string

mark-after

string

voice-pitch-range

x-low | low | medium | high | xhigh | inherit
number

voice-stress

strong | moderate | none | reduced | inherit

voice-volume

silent | x-soft | soft | medium
| loud | x-loud | inherit
number
%

pause

pause-before
pause-after

pause-before

none | x-weak | weak | medium |
strong | x-strong | inherit
time

pause-after

none | x-weak | weak | medium |
strong | x-strong | inherit
time

phonemes

string

voice-duration

time

voice-family

inherit | [<specific-voice, age, generic-voice,
number>]

voice-rate

x-slow | slow | medium | fast | x-fast | inherit
%

voice-pitch

x-low | low | medium | high | xhigh | inherit
number
%

caption-side

top | bottom | left | right

rest

rest-before
rest-after

rest-before

none | x-weak | weak | medium |
strong | x-strong | inherit
time

rest-after

none | x-weak | weak | medium |
strong | x-strong | inherit
time

speak

none | normal | spell-out |
digits | literal-punctuation |
no-punctuation | inherit-number

List & Markers

list-style	list-style-image
list-style-type	none
list-style-position	url
list-style-image	
	marker-offset
list-style-type	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

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

Transitions

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

UI

appearance	nav-index
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
	nav-up
	auto inherit <id> [current root <target-name>]
cursor	nav-right
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	
icon	nav-left
auto inherit	auto inherit <id> [current root <target-name>]
url	
	resize
	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
:selection	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-oftype(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 UR

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 an element
::after	Inserts some content after an element

Absolute Measurement

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

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'
px	pixel of the viewing device
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

Selector Types

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

Outline

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

3D / 2D Transform

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

Generated Content

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

Line Box

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

Hyperlink

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

Positioning

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