CSS3

THE MEGA CHEAT SHEET

CSS3 is the latest evolution of the Cascading Style Sheets language and aims at extending CSS2.1. It brings a lot of long-awaited novelties, like rounded corners, shadows, gradients, transitions or animations, as well as new layouts like multi-columns, flexible box or grid layouts. Experimental parts are vendor-prefixed and should either be avoided in production environments, or used with extreme caution as both their syntax and semantics can change in the future.

BACKGROUNDS

background

background-image

background-position

background-size

background-repeat

background-attachment

background-origin

background-clip

background-color

background-origin

border-box | padding-box | content-box

background-position

top left | top center | top right | center left | center center | center right | bottom left | bottom center | bottom right

x-% y-%

x-pos y-pos

background-attachment

scroll | fixed

background-break

bounding-box | each-box | continuous

background-clip

length

%

border-box | padding-box | content-box | no-clip

background-repeat

repeat | repeat-x | repeat-y | no-repeat

background-color

color

transparent

background-color

color

transparent

background-image

url

background-size

length

%

auto | cover | contain

BORDER

border

border-width

border-style

border-color

border-bottom

border-bottom-width

border-style

border-color

border-left

border-left-width

border-style

border-color

border-left-style

border-style

border-right-color

border-color

border-right-width

thin | medium | thick | length

border-top-width

thin | medium | thick | length

border-width

thin | medium | thick | length

border-style

none | hidden | dotted |

dashed | solid | double |

groove | ridge | inset | outset

border-break

border-width

border-style

color

close

border-bottom-color

border-color

border-bottom-style

border-style

border-left-color

border-color

border-left-width

thin | medium | thick length

border-right-style

border-style

border-top

border-top-width

border-style

border-color

border-top-color

border-color

border-top-style

border-style

box-shadow

inset || [length, length,

length, length || <color>]

background-color

color

transparent

border-collapse

collapse | separate

border-color

color

border-image

image

[number / %

border-width

stretch | repeat | round]

border-right

border-right-width

border-style

border-color

border-radius

border-radius

border-top-right-radius

border-bottom-right-radius

border-bottom-left-radius

border-top-left-radius

border-top-right-radius

length

border-bottom-right-radius

length

border-bottom-left-radius

length

BOX MODEL

float
left | right | none

height
auto

length

%

max-height
none

length

%

max-width
none

length

%

min-height
none

length

%

min-width
none | inherit

length

%

width
auto

%

length

margin
margin-top

margin-right

margin-bottom

margin-left

margin-bottom
auto

length

%

margin-left
auto

height

%

margin-right
auto

height

%

margin-top
auto

length

%

padding
padding-top

padding-right

padding-bottom

padding-left

padding-bottom
length

%

padding-left
length

%

padding-right
length

%

padding-top
length

%

display
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

marquee-direction
forward | reverse

marquee-loop
infinite

integer

marquee-play-count
infinite

integer

marquee-speed
slow | normal | fast

marquee-style
scroll | slide | alternate

overflow
visible | hidden | scroll |

auto | no-display | no-content

overflow-x

overflow-y

overflow-style
auto | marquee-line | marquee-block

overflow-x
visible | hidden | scroll |

auto | no-display | no-content

overflow-x
visible | hidden | scroll |

auto | no-display | no-content

rotation
angle

rotation-point
position (paired value off-set)

visibility
visible | hidden | collapse

clear
left | right | both | none

FONT

font

font-style

font-variant

font-weight

font-size/line-height

font-family

caption | icon | menu | message-box | small-caption | status-bar

font-size-adjust

none | inherit

number

font-family

normal | wider | narrower | ultra-condensed | extra-condensed | condensed | semi-condensed | 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 | xx-large | 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 | end-edge]

letter spacing

normal

length

%

text-outline

color

length

unicode-bidi

normal | embed | bidi-override

white-space

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

white-space-collapse

perserve | collapse | pre-serve-breaks | 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

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 | inter-ideograph | 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-span

1 | all

column-width

auto

length

COLORS

color

inherit

color

opacity

inherit

number

GRID POSTIONING

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 | inline-axis | 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

cue

cue-before

cue-after

cue-before

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 | x-high | inherit

number

voice-stress

strong | moderate | none | reduced | inherit

voice-volume

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

number

%

cue-after

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

number

%

pause

pause-before

pause-after

pause-before

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 | x-high | 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

SPEECH

cue

cue-before

cue-after

cue-before

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 | x-high | inherit

number

voice-stress

strong | moderate | none | reduced | inherit

voice-volume

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

number

%

cue-after

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

number

%

pause

pause-before

pause-after

pause-before

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 | x-high | 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-type

list-style-position

list-style-image

list-style-image

url

list-style-type

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

marker-offset

auto

length

ANIMATIONS

animations

animation-name

animation-duration

animation-timing-function

animation-delay

animation-iteration-count

animation-direction

animation-timing-function

ease | linear | ease-in | ease-out |
ease-in-out | cubic-Bezier (number,
number, number, number)

animation-delay

time

animation-delay

time

animation-name

none | IDENT

animation-direction

normal | alternate

animation-iteration-count

inherit

number

animation-play-state

running | paused

TRANSITIONS

transitions

transitions-property

transitions-duration

transitions-timing-function

transitions-delay

transitions-delay

time

transitions-duration

time

transitions-property

none | all

transition-timing-function

ease | linear | ease-in | ease-out |
ease-in-out | cubic-Bezier (number,
number, number, number)

UI

appearance

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]

cursor

auto | crosshair | default |
pointer | move | e-resize |
ne-resize | nw-resize | n-resize |
se-resize | sw-resize | sw-resize |
s-resize | w-resize | text | wait |
help

url

icon

auto | inherit

url

nav-index

auto | inherit

number

nav-up

auto | inherit
<id> [current | root |
<target-name>]

nav-right

auto | inherit
<id> [current | root |
<target-name>]

nav-down

auto | inherit
<id> [current | root |
<target-name>]

nav-left

auto | inherit
<id> [current | root |
<target-name>]

resize

none | both | horizontal |
vertical | inherit

PSEUDO-CLASS

:active	an activated element
:focus	an element while the element has focus
:visited	a visited link
: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 (form element control) that is checked
:selection	an element that is currently selected of 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 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 URI

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

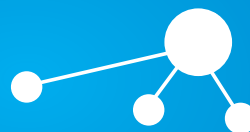|	
color name	red, blue, green, dark green
rgb(x,y,z)	red = rgb(255,0,0)
rgb(x%,y%,z%)	red = rgb(100%,0,0)
rgba(x,y,z,alpha)	red = rgba(255,0,0)
#rrggbb	red = #ff0000 (or shorthand = #f00) hsl(hue, saturation, lightness)
red=hsl	(0, 100%, 50%)
flavor	An accent color (typically chosen by the user) to customize the user interface of the user agent itself.
currentColor	computed 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	#sampled { 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 with 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" E[att$="val"] - att vale that begins with the suffix "val" E[att*="val"] - att value contains at least one instance of the substring "val"

OUTLINE

outline
outline-color

outline-style

outline-width

outline-offset
inherit

length

outline-style
none | dotted | dashed |
solid | double | groove |
ridge | inset | outset

outline-width
thin | medium | thick

length

3D / 2D TRANSFORM

backface-visibility
visible | hidden

perspective
none

number

perspective-origin
[[[percentage> |
<length> | left | center |
right] [<percentage> |
<length> | top | center |
bottom]?] <length>] |
[[[left | center | right] ||
[top | center | bottom]]
<length>]

transform
none | matrix | matrix3d |
translate3d | tranlateX |
translateY | translateZ |
scale | scale3d | scaleX |
scaleY | scaleZ | rotate |
rotate3d | rotateX |
rotateY | rotateZ | skewX |
skewY | skew |
perspective

transform-origin
[[[<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
content

attr

string

bookmark-level
none

integer

bookmark-target
self

url

attr

border-length
self

url

attr

content
normal | none | inhibit

url

counter-reset
none

identifier number

crop
auto

shape

display
normal | none | list-item

float-offset
length length

hyphenate-after
auto

integer

counter-increment
none

identifier number

hyphenate-lines
no-limit

integer

hyphenate-resource
none

url

hyphens
none | manual | auto

image-resolution
normal | auto

dpi

hyphenate-before
auto

integer

hyphenate-character
auto

string

marks
[crop || cross] | none

move-to
normal | here

identifier

page-policy
start | first | last

quotes
none

string string string string

string-set
identifier

content-list

text-replace
none

[<string> <string>]+

LINE BOX

alignment-adjust

auto | baseline | before-edge |
text-before-edge | middle | central |
after-edge | text-after-edge |
ideographic | alphabetic | hanging |
mathematical

length

%

alignment-baseline

baseline | ise-script | before-edge |
text-before-edge | after-edge |
text-after-edge | central | middle |
ideographic | alphabetic | hanging |
mathematical

baseline-shift

baseline | sub | super

length

%

dominant-baseline

auto | use-script | no-change |
reset-size | alphabetic | hanging |
ideographic | mathematical |
central | middle | text-after-edge |
text-before-edge

drop-initial-after-align

alignment-baseline

drop-initial-after-align

central | middle | after-edge |
text-after-edge | ideographic |
alphabetic | mathematical

%

drop-initial-before-align

caps-height

alignment-baseline

drop-initial-before-adjust

before-edge | text-before-edge |
central | middle | hanging |
mathematical

length

%

drop-initial-value

initial

integer

drop-initial-size

auto

integer

%

line

inline-box-align

initial | last

integer

line-height

normal

number

length

%

line-stacking

line-stacking-strategy

line-stacking-ruby

line-stacking-shift

line-stacking-strategy

inline-line-height |
block-line-height |
max-height | grid-height

line-stacking-ruby

exclude-ruby | include-ruby

line-stacking-shift

consider-shifts |
disregard-shifts

line-stacking

line-stacking-strategy

line-stacking-ruby

line-stacking-shift

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-name

target-new

target-position

target-name

current | root | parent | new |
modal

string

target-new

window | tab | none

target-position

above | behind | front | back

POSITIONING

bottom

auto

%

length

right

auto

%

length

clip

shape

auto

top

auto

%

length

left

auto

%

length

z-index

auto

number

position

static | relative | absolute | fixed

RUBY

ruby-align

auto | start | left | center |
end | right | distribute-letter |
distribute-space | line-edge

ruby-overhang

auto | start | end | none

ruby-position

before | after | right | inline

ruby-span

attr(x) | none

PAGED MEDIA

fit

fill | hidden | meet | slice

fit-position

[top | center | bottom] ||
[left | center | right]

length

%

orphans

integer

image-orientation

auto

angle

page

auto

identifier

page-break-after

auto | always | avoid | left | right

page-break-before

auto | always | avoid | left | right

page-break-inside

auto | avoid

size

auto | landscape | portrait

length

windows

integer