CSS3 WEB DESIGN

CHEAT SHEET

CSS SYNTAX, COLORS & UNITS

Created by @Manz (http://twitter.com/Manz)

https://lenguajecss.com/

C CSS Syntax

GENERAL SYNTAX

```
tag [attributes] #id .class :pseudoclass ::pseudoelement {
    selector : value ;
}
```

COMMENTS (ANNOTATIONS)

/* comment */

EXAMPLE /* IE sucks */

S CSS Selectors

SELECTORS & COMBINATORS

#	element with id="unique"	#unique
.	elements with class="c1"	.c1
*	all elements inside of div (universal)	div *
' '	inner div elements inside of div (descendant)	div div
>	direct childs of div (child)	div > div
+	adjacents elements (adjacent sibling)	div + div
~	siblings elements at same level (general sibling)	div ~ div

ATTRIBUTES — IGNORE CASE SENSITIVE [attr="..." i]

[attr]	elements with *attr* attribute present
[attr="val"]	elements with *attr=* attribute with value *val* — "val"
[attr~="val"]	elements with *attr~=* that contains *val* — "abc val xyz"
[attr|="es"]	elements with *attr|=* that contains *es-** — "en-US es-ES"
[attr*="val"]	elements with *attr*=* that includes *val* — "equivalent-is-"
[attr^="val"]	elements with *attr^=* that begins with *val* — "value-is-..."
[attr$="val"]	elements with *attr$=* that ends with *val* — "in-interval"

PSEUDOCLASSES

LINKS	:link	links that have not yet been visited
	:visited	links that has been visited
USER ACTION	:hover	user move mouse/pointer over element
	:active	element is being activated by user
	:focus	element has the focus (foreground)
USER INTERFACE	:enabled :disabled	on/off input state
	:checked	elements toggled "on" by user
	:indeterminate	input on indeterminate state
	:read-only :read-write	readonly input or modifiable
	:placeholder-shown	inputs that shows placeholder at now
	:default	default elements for form (input, option, ...)
	:valid :invalid	userdata pass/not pass check validation
	:in-range :out-of-range	userdata in range/out of range
	:required :optional	elements required/optional for submit
STRUCTURAL — CHILD ELEMENTS	:first-child	first child of group of elements ~ :nth-child(1)
	:last-child	last child of group of elements ~ :nth-last-child(1)
	:nth-child(n)	n^th child of group of elements — n: odd, even, expr
	:nth-last-child(n)	last n^th child of group of elements
	:only-child	unique child ~ :first-child:last-child
CHILD OF SAME TYPE	:first-of-type	first child of same type
	:last-of-type	last child of same type
	:nth-of-type(n)	n^th child of same type
	:nth-last-of-type(n)	last n^thchild (same type)
	:only-of-type	unique child (same type)
OTHERS	:root	root element of the document
	:empty	element without contents
OTHERS	:not(x)	not match by *x* selector
	:target	is the target of anchor URL
	:lang(x)	elements in *x* language

PSEUDOELEMENTS

::first-line	first line of text element
::first-letter	first letter of text element

legend

- optional keyword
- keyword
- wide unsupport
- shorthand value
- userdata value
- detailed value
- default value
- pseudoclass
- pseudoelement

C CSS Colors

COLOR PROPERTIES

color: color

opacity: 1 alpha

COLOR EXAMPLE

RGB	237 + 63 + 0 =	RGB(237, 63, 0)
HSL	11 + 255 + 119 =	HSL(11, 255, 119)

COLOR MODELS

KEYWORDS

colorkey transparent currentColor

NUMERIC FORMAT	EXAMPLES
RGB(red , green , blue)	RGB(65, 106, 225)
# red_hex green_hex blue_hex	#416AE1 short form: #46E
HSL(hue , saturation , lightness)	HSL(159, 185, 145)

WITH ALPHA CHANNEL	EXAMPLES
RGBA(red , green , blue , alpha)	RGBA(65, 106, 225, 0.5)
HSLA(hue , saturation , lightness , alpha)	HSLA(159, 185, 145, 1)

COLOR COMPONENTS

red green blue	numeric value between [0 ... 255]
red_hex green_hex blue_hex	hexadecimal value [00 ... FF]
hue	numeric value (degrees) between [0 ... 360deg]
saturation lightness	percentage values [0%...100%]
alpha	number value between [0.0 ... 1.0]

V CSS Values & Units

RESETTING ALL PROPERTIES

all: initial inherit unset

IMPORTANT

property: value !important

EXAMPLE color:red!important;

COMMON VALUES

initial	property's initial value
inherit	computed value on parent
unset	initial or inherit (depending)

MATHEMATICAL EXPRESSIONS

calc(value1 op value2 ...)

EXAMPLE calc(200px + 10%)

FONT-RELATIVE SIZES	
em	computed value on current
ex	x-height of lowercase "x"
ch	advance measure of "0" glyph
rem	computed value on root elem

VIEWPORT SIZES	
vw	viewport width %
vh	viewport height %
vmin	smaller (vw or vh)
vmax	larger (vw or vh)

ABSOLUTE SIZES	
px	pixels
cm	centimeters
mm	millimeters
Q	quarter-mm
in	inches
pc	picas
pt	points

ANGLES	
deg	degrees [0..360]
grad	gradians [0..400]
rad	radians [0..6.28]
rad	turns [0.0..1.0]

DURATIONS	
s	seconds
ms	millisecs

PERCENTAGES

value %

EXAMPLE 75%

CUSTOM PROPERTIES (CSS VARIABLES)

DECLARING	USING
-- varname : value ;	var(-- varname , fallback ...)
EXAMPLE --size: 100px;	EXAMPLE calc(var(--size, 50px) * 2);

M CSS Media Features

VIEWPORT SIZE	
MIN MAX width	size
MIN MAX height	size

DEVICE SIZE	
MIN MAX device-width	size
MIN MAX device-height	size

ASPECT RATIO

MIN MAX aspect-ratio	ratio
MIN MAX device-aspect-ratio	ratio

COLORS

MIN MAX color	number
MIN MAX color-index	number

OTHERS

MIN MAX monochrome	number
MIN MAX resolution	dpi/dpcm
orientation	portrait landscape
scan	progressive interlace
grid	number

EXAMPLES

device-min-width: 640px
device-aspect-ratio: 16/9
max-color-index:256
min-resolution:300dpi
min-monochrome:2
grid:1

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CSS3 WEB DESIGN

CHEAT SHEET

FONTS, TEXT, SPEECH & RULES

Created by @Manz (http://twitter.com/Manz)

https://lenguajecss.com/

F Fonts

GENERIC FONT: serif | sans-serif | cursive | fantasy | monospace

EXAMPLE *font-family: Verdana, Arial, sans-serif;*

FONTS (TYPOGRAPHY)

font-family: font1 , font2 , font3 ..., genericfont

font-size: size | %

REL: smaller | larger

ABS: xx-small | x-small | small | medium | large | x-large | xx-large

font-size-adjust: none | number

font-style: normal | italic | oblique

font-synthesis: none | weight | style

font-variant: none | small-caps

font-weight: normal | bold

REL: lighter | bolder

ABS: 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900

font: style | variant | weight | stretch | size/ | line-height | family

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

https://fonts.googleapis.com/css?family=**Open+Sans**:300,400|**Roboto**:400

S Speech Media

VOLUME/SPEAK

volume: number | % | silent | x-soft | soft | medium | loud | x-loud

speak: normal | none | spell-out

PAUSE

pause-before: 0 | time | %

pause-after: 0 | time | %

pause: before | after

CUE

cue-before: none | URI: url(snd.mp3)

cue-after: none | URI: url(snd.mp3)

cue: before | after

MIXING/SPATIAL

play-during: auto | none | URI: url(snd.mp3) | mix | repeat

azimuth: angle | center | LFT: left-side | far-left | left | center-left | RGT: right-side | far-right | right | center-right | behind | leftwards | rightwards

elevation: angle | ABS: below | level | above | REL: lower | higher

VOICE CHARACTERISTICS

speech-rate: number | ABS: x-slow | slow | medium | fast | x-fast | REL: slower | faster

voice-family: voice1 , voice2 , voice3 ..., genericvoice

pitch: frequency | x-low | low | medium | high | x-high

pitch-range: 50 | number

richness: 50 | number

stress: 50 | number

GENERIC VOICE: male | female | child

EXAMPLE *voice-family: Romeo, male;*

SPEECH

speak-punctuation: none | code

speak-numeral: continuous | digits

speak-header: once | always

T CSS Text L3

TRANSFORMING TEXT

text-transform: none | capitalize | uppercase | lowercase | full-width

WHITE SPACES

white-space: normal | pre | nowrap | pre-wrap | pre-line

tab-size: 8 | number | size

LINE BREAKING & WORD BOUNDARIES

line-break: auto | loose | normal | strict

word-break: normal | keep-all | break-all

BREAKING WORDS

hyphens: none | manual | auto

word-wrap: normal | break-word

overflow-wrap: normal | break-word

ALIGNMENT & JUSTIFICATION

text-align: left | right | center | justify | start | end | match-parent

text-align-last: auto | start | end | left | right | center | justify

text-justify: auto | none | inter-word | distribute

SPACING

word-spacing: normal | size

letter-spacing: normal | size

EDGE EFFECTS

text-indent: size | hanging | each-line

hanging-punctuation: none | first | last | force-end | allow-end

T CSS Text Decoration

LEVEL 2 (LEGACY)

text-decoration: none | underline | overline | line-through

LEVEL 3

text-decoration-line: none | underline | overline | line-through | blink

text-decoration-color: currentColor | color

text-decoration-style: solid | double | dotted | dashed | wavy

text-decoration-skip: none | objects | spaces | ink | edges | box-decoration

text-decoration: none | line | style | color

text-underline-position: auto | under | left | right

STATUS: filled | open

EXAMPLE *open circle;*

EMPHASIS MARKS

text-emphasis-style: none | string | status | dot | circle | double-circle | triangle | sesame

text-emphasis-color: currentColor | color

text-emphasis-position: over | under | left | right

text-emphasis: style | color

TEXT SHADOW

text-shadow: none | pos-x | pos-y | blur | color

@ CSS Rules

FONT LOADING

```
@font-face {
  font-family: font;
  src: url( file.woff ) format("woff"),
       url( file.ttf ) format("truetype");
  unicode-range: U+000-27FF;
}
```

FONT FORMATS

embedded-opentype | truetype | opentype | svg | woff | woff2

EXAMPLE *url(file.ttf) format("truetype");*

MEDIA QUERIES (RESPONSIVE DESIGN)

```
@media all | screen | print and (...) {
  property: value;
}
```

Media features

EXAMPLE *@media screen and (max-width: 640px) { ...*

CSS IMPORT RULES

```
@import "index.css";
@import url("index.css");
@import url("print.css") print;
```

serif font

monospaced font

sans serif font

fantasy font

LINE HEIGHT CALCULATIONS (LEGACY)

line-height: number | % | size | normal

vertical-align: size | % | baseline | middle | sub | super | text-top | text-bottom | top | bottom

CSS CONDITIONAL

```
@supports not ( feature ) or and ... {
  property: value;
}
```

EXAMPLE *@supports not (display: flexbox) { .nav { display:block } }*

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CSS3 WEB DESIGN

CHEAT SHEET

BOX MODEL: BORDERS, BACKGROUNDS & IMAGES

Created by @Manz (http://twitter.com/Manz)

https://lenguajecss.com/

B CSS Box Model

DIMENSIONS

width: auto | size | %
min-width: 0 | size | %
max-width: none | size | %

height: auto | size | %
min-height: 0 | size | %
max-height: none | size | %

MARGINS/PADDINGS

SPECIFIC MARGINS

margin-top: 0 | size | %
margin-right: 0 | size | %
margin-bottom: 0 | size | %
margin-left: 0 | size | %

SPECIFIC PADDINGS

padding-top: 0 | size | %
padding-right: 0 | size | %
padding-bottom: 0 | size | %
padding-left: 0 | size | %

MARGIN SHORTHAND

margin:
- 4P: top | right | bottom | left
- 3P: top | left right | bottom
- 2P: top bottom | left right
- 1P: top right bottom left

PADDING SHORTHAND

padding:
- 4P: top | right | bottom | left
- 3P: top | left right | bottom
- 2P: top bottom | left right
- 1P: top right bottom left

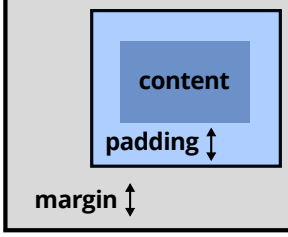
OVERFLOW/VISIBILITY

overflow-x: visible | hidden | scroll | auto no-display | no-content
overflow-y: visible | hidden | scroll | auto no-display | no-content
overflow: overflow-x | overflow-y
visibility: visible | hidden | collapse

BOX TYPES (DISPLAY)

display: inline | none | run-in
- BLK: inline-block | block
- LST: inline-list-item | list-item
- TBL: inline-table | table | table-cell
- table-row | table-caption
- GRD: inline-grid | grid | subgrid
- FLX: inline-flex | flex

CSS MODEL BOX



I CSS Images

GRADIENTS

LINEAR GRADIENTS

START SIZE: size | %

repeating-linear-*

background-image:
linear-gradient(direction | color1 start , color2 start ,...)

RADIAL GRADIENTS

repeating-radial-*

background-image:
radial-gradient(shape | rsize | at pos | color1 start , color2 ...)

GRADIENT OPTIONS

shape | rsize
circle | radius | at | pos ...
ellipse | rh | rv | at | pos ...

EXAMPLE *(ellipse 55px 45px at top, red, blue)*

DIRECTION

RADIUS SIZE (RSIZE) ALSO ACCEPT...

closest-side | farthest-side
closest-corner | farthest-corner

IMAGES AND OBJECTS

SIZING

object-fit: fill | contain | cover | none | scale-down
object-position: 50% 50% | background-position

IMAGE PROCESSING

image-orientation: 0deg | size
image-resolution: 1dppx | from-image | resolution | snap
image-rendering: auto | crisp-edges | pixelated

B CSS Borders

BORDERS

border-width: size | thin | medium | thick
border-style: none | border-style | hidden
border-color: currentColor | color

SPECIFIC SHORTHANDS

border-top-*
border-right-*
border-bottom-*
border-left-*

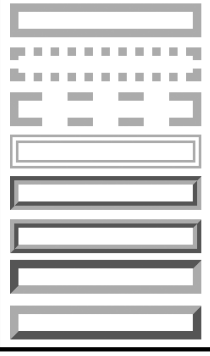
SIDE BORDER SHORTHAND

border-top: width | style | color
border-right: width | style | color
border-bottom: width | style | color
border-left: width | style | color

MAIN SHORTHAND

border: width | style | color

BORDER STYLES



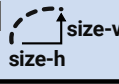
B Rounded Corners

SPECIFIC CORNERS

border-top-left-radius: 0 | size | %
border-top-right-radius: 0 | size | %
border-bottom-right-radius: 0 | size | %
border-bottom-left-radius: 0 | size | %

2-PARAMETER FORMAT

size-h | size-v
1-PARAMETER
size-h = size-v



MAIN SHORTHAND

border-radius:
- 4P: top-left | top-right | bottom-right | bottom-left
- 3P: top-left | top-right bottom-left | bottom-right
- 2P: top-left bottom-right | top-right bottom-left
- 1P: top-left top-right bottom-right bottom-left

MAIN SHORTHAND WITH HORIZONTAL/VERTICAL RADIUS

border-radius: border-radius / border-radius

BORDER IMAGE WIDTH

auto | size | number | %

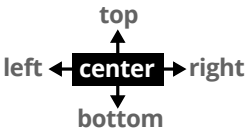


IMAGE SLICE

number | %

IMAGE OUTSET

number | size

B CSS Border Image

BORDER IMAGE

border-image-source: none | URL url(img.png)
border-image-slice: 100% | top | right | bottom | left | fill
border-image-width: 1 | top | right | bottom | left
border-image-outset: 0 | top | right | bottom | left
border-image-repeat: stretch | repeat | round | space
border-image: source | slice | /width | outset | repeat

REPEAT-STYLE PARAMETERS

repeat | space | round | no-repeat

EXAMPLE *repeat no-repeat* (or repeat-x)

B Backgrounds

LEVEL 2

background-color: transparent | color
background-image: none | URL url(image.png), url(image.jpg), ...
background-repeat: repeat | repeat-x | repeat-y | repeat-style
repeat repeat | repeat-style-h | repeat-style-v
background-attachment: scroll | fixed | local
background-position: pos-x | pos-y
background: color | image | repeat | attachment | position

LEVEL 3

background-clip: border-box | padding-box | content-box
background-origin: border-box | padding-box | content-box
background-size: auto | width | height | contain | cover
background: color | pos | size | repeat | origin | clip | attach | image

EFFECTS: SHADOWS

box-shadow: none | pos-x | pos-y | blur | size | color | inset

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CSS3 WEB DESIGN

CHEAT SHEET

EFFECTS, MASKS, SHAPES, LISTS & UI

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https://lenguajecss.com/

F CSS Filters

FILTER PROPERTY

filter: none | filter1 | filter2 | ...

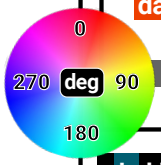
FILTER VALUES

number 0.0 ... 1.0

% 0% ... 100%

FILTERS

blur(blur)	0px = original	>0px=blur
brightness(number %)	0%=black 100%=original	>100% ALLOWED
contrast(number %)	0%=grey 100%=original	>100% ALLOWED
saturate(number %)	0%=B&W 100%=original	>100% ALLOWED
grayscale(number %)	0%=original	100%=B&W
invert(number %)	0%=original	100%=invert
sepia(number %)	0%=original	100%=sepia
opacity(number %)	0%=transparent	100%=original
hue-rotate(angle)	0deg=original	360deg=max
drop-shadow(pos-x pos-y blur color)	(same as text-shadow)	



REFERENCE BOX

geometry-box = shape-box | fill-box | stroke-box | view-box

shape-box = box | margin-box

box = content-box | padding-box | border-box

S CSS Shapes

FLOAT AREA SHAPE

shape-outside: none | URI url(img.png) | basic-shape | geometry-box

shape-image-threshold: 0.0 | number

shape-margin: 0 | size | %

BASIC SHAPES

RECTANGLE

inset(top | right | bottom | left | round | border-radius)

CIRCLE/ELLIPSE

circle(shape-radius | at | position)

ellipse(radius_x | radius_y | at | position)

POLYGON

polygon(x0 | y0 , ... , xi | yi)

SHAPE RADIUS

size | % | farthest-side | closest-side

M CSS Masks

CLIPPING SHAPE

clip-path: none | URI url(img.png) | basic-shape | geometry-box

POSITIONED MASKS

mask-image: none | URI url(img.svg#mask) | gradient

mask-mode: auto | alpha | luminance

mask-repeat: no-repeat | background-repeat

mask-position: center | background-position

mask-clip: border-box | no-clip | geometry-box

mask-origin: border-box | geometry-box

mask-size: auto | background-size

mask-composite: add | subtract | intersect | exclude

mask: image | mode | position | / size | repeat | clip | composite

BORDER-BOX MASK

mask-border-source: none | URI url(img.svg#mask)

mask-border-mode: alpha | luminance

mask-border-slice: 0 | border-image-slice

mask-border-width: auto | border-image-width

mask-border-outset: 0 | border-image-outset

mask-border-repeat: stretch | border-image-repeat

mask-border: source | slice | / width | / outset | repeat | mode

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C Compositing

COMPOSITING AND BLENDING

background-blend-mode: normal | blend

isolation: auto | isolate

mix-blend-mode: normal | blend

BLEND MODES

SEPARABLE

normal | multiply | screen | overlay

darken | lighten | color-dodge | color-burn

hard-light | soft-light | difference | exclusion

NON-SEPARABLE

hue | saturation | color | luminosity

L Lists

LISTS

list-style-image: none | URI url(img.jpg)

list-style-position: inside | outside

list-style-type: disc | circle | square | A..Z upper-alpha | lower-alpha | I..III upper-roman | lower-roman | 1..10 decimal | decimal-leading-zero | OTH lower-greek | armenian | georgian | none

list-style: type | position | image

GENERATED CONTENT

content: normal | none | URI url(img.jpg) | ATT attr(attr) | STR ' string ' | open-quote | close-quote | no-open-quote | no-close-quote | CNT counter(name , list-style-type)

content-increment: none | name

content-reset: none | name

quotes: ' open-str ' ' close-str ' | none

PSEUDOCLASSES

::before before element

::after after element

E. AMPLE p::before { content: "-"; }

MARKERS

::marker item's marker generated by list item (bullet, number...)

marker-side: list-item | list-container

U User Interface

BOX MODEL

box-sizing: content-box | border-box

OUTLINE

outline-width: size | thin | medium | thick

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

outline-color: invert | color

outline-offset: 0 | size

outline: color | style | width

RESIZE/OVERFLOW

resize: none | both | horizontal | vertical

text-overflow: clip | ellipsis | string

POINTING DEVICES AND KEYBOARDS

cursor: auto | default | none | URI url(img.png) | x | y

context-menu | help | pointer | progress | wait

cell | crosshair | text | vertical-text | zoom-in | zoom-out

alias | copy | move | no-drop | not-allowed | grab | grabbing

n-resize | ne-resize | e-resize | se-resize | s-resize | sw-resize

w-resize | nw-resize | ew-resize | ns-resize | nesw-resize

nwse-resize | col-resize | row-resize | all-scroll

caret-color: auto | color

nav-up: auto | id | current | root | target

nav-down: auto | id | current | root | target

nav-left: auto | id | current | root | target

nav-right: auto | id | current | root | target

CSS3 WEB DESIGN

CHEAT SHEET

TRANSITIONS, ANIMATIONS, TRANSFORMS, MOTIONS, SNAP & COLUMNS

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https://lenguajecss.com/

T CSS Transitions

TRANSITIONS

transition-property: all | none | property1 , property2 , ...
transition-duration: 0s | time
transition-timing-function: ease | timing-function
transition-delay: 0s | time

transition: property | duration | t-function | delay

timing-function	cubic-bezier()
ease	(0.25, 0.1, 0.25, 1)
linear	(0.00, 0.0, 1.00, 1)
ease-in	(0.42, 0.0, 1.00, 1)
ease-out	(0.00, 0.0, 0.58, 1)
ease-in-out	(0.42, 0.0, 0.58, 1)

timing-function	steps()
step-start	(1, start)
step-end	(1, end)
steps(n)	(n, end)
steps(a,b)	(a, b)

SLOW NORMAL FAST

A CSS Animations

ANIMATIONS

animation-name: none | name1 , name2 , ...
animation-duration: 0s | time
animation-timing-function: ease | timing-function
animation-delay: 0s | time
animation-iteration-count: 1 | number | infinite
animation-direction: normal | reverse | alternate | alternate-reverse
animation-fill-mode: none | forwards | backwards | both
animation-play-state: running | paused

animation: name | duration | t-function | delay | it-c | dir | f-m | p-s

CHAINED (ANIMATION PROPERTY)

animname1 5s linear ,
animname2 5s linear 5s ,
animname3 6s linear 10s ;

ANIMATION KEYFRAMES

```
@keyframes animname {
  0% { property: value; ... }
  ...
  100% { property: value; ... }
}
```

@-vendor-keyframes

0% = from
100% = to

M CSS Motion Paths

MOTION PATH

motion-path: none | URI url(img.svg) | basic-shape | path | geometry-box
motion-offset: 0 | size | %
motion-rotation: auto | reverse | angle

motion: path | offset | rotation

S CSS Scroll Snap

CAPTURING SCROLL SNAP AREAS

scroll-snap-type: none | x | y | block | inline | both | mandatory | proximity

ALIGNMENT AND LIMITS

scroll-snap-align: inline-axis | block-axis
scroll-snap-stop: normal | always

SCROLL SNAPPING/SNAPPORT

scroll-padding*: →
scroll-snap-margin*: →

AXIS

none | start | center | end

EXAMPLE *scroll-snap-align: start end*

SCROLL SNAPPING/SNAPPORT

SNAP MARGIN/PADDING

*-top: 0 | size | %
*-right: 0 | size | %
*-bottom: 0 | size | %
*-left: 0 | size | %

*: top | right | bottom | left

INLINE/BLOCK

*-inline-start: 0 | size | %
*-inline-end: 0 | size | %

*-inline: start | end

*-block-start: 0 | size | %
*-block-end: 0 | size | %

*-block: start | end

T CSS Transforms

TRANSFORM PROPERTY

transform: none | transform1 | transform2 | ...

2D TRANSFORMS

transform: translateX(size | %)
transform: translateY(size | %)

transform: translate(size | % , size | %)

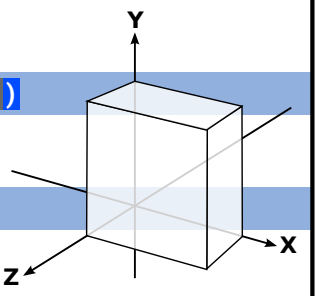
transform: scaleX(number)
transform: scaleY(number)

transform: scale(number , number)

transform: skewX(angle)
transform: skewY(angle)

transform: skew(angle , angle)

transform: rotate(angle)
transform: matrix(n1 , n2 , n3 , n4 , n5 , n6)



3D TRANSFORMS

transform: translateZ(size)

transform: translate3d(size | % , size | % , size)

transform: scaleZ(number)

transform: scale3d(number , number , number)

transform: rotateX(angle)
transform: rotateY(angle)
transform: rotateZ(angle)

transform: rotate3d(number , number , number , angle)

transform: perspective(size)
transform: matrix3d(n1 , n2 , n3 , n4 , n5 , n6 , ... , n16)

TRANSFORMS OPTIONS

transform-origin: 50% 50% | pos-x | pos-y | pos-z
transform-style: flat | preserve-3d
backface-visibility: visible | hidden

PERSPECTIVE OPTIONS

perspective: none | size
perspective-origin: 50% 50% | pos-x | pos-y | pos-z

C CSS Multi Columns

COLUMNS

column-width: auto | size
column-count: auto | number

columns: width | counter

COLUMN RULES

column-rule-width: size | thin | medium | thick
column-rule-style: style | none
column-rule-color: color

column-rule: width | style | color

COLUMN BREAKS

break-before/break-after: auto | always | avoid | left | right | page | column | avoid-page | avoid-column
break-inside: auto | avoid | avoid-page | avoid-column

SPANNING, FILLING AND GAPS

column-span: none | all
column-fill: auto | balance
column-gap: size | normal

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CSS3 WEB DESIGN

CHEAT SHEET

FLEXBOX, POSITIONING, ALIGNMENT & GRID

Created by @Manz (http://twitter.com/Manz)

https://lenguajecss.com/

F CSS Flexbox

CONTAINER PROPERTIES

ORDERING AND ORIENTATION

flex-direction: row | row-reverse | column | column-reverse

flex-wrap: nowrap | wrap | wrap-reverse

flex-flow: direction | wrap

PRIMARY AXIS

justify-content: flex-start | center | flex-end | space-between | space-around

SECONDARY AXIS

align-items: flex-start | center | flex-end | baseline | stretch

MULTI-LINE CONTAINER PROPERTIES

align-content: flex-start | center | flex-end | stretch | space-between | space-around

ITEM PROPERTIES

FLEXIBILITY

flex-grow: 0 | number

flex-shrink: 0 | number

flex-basis: auto | content | size | %

flex: grow | shrink | basis

ALIGNMENT AND ORDERING

align-self: auto | flex-start | center | flex-end | baseline | stretch

order: 0 | number

A CSS Align

CONTAINER PROPERTIES

CONTENT DISTRIBUTION

justify-content/align-content:

- normal | baseline-position
- space-between | space-around | space-evenly | stretch
- overflow-pos | self-position

OVERFLOW POSITION: safe | unsafe

SELF-POSITION

- start | center | end (self, content)
- flex-start | flex-end idem (only flex)
- self-start | self-end (self)
- left | right (self, content) fallback: start

BASELINE-POSITION

- baseline | last-baseline

PRIMARY AXIS

justify-items: auto | normal | stretch | baseline-position

- overflow-pos | self-position
- legacy | left | center | right

SECONDARY AXIS

align-items: normal | stretch | baseline-position

- overflow-pos | self-position

ITEM PROPERTIES

PRIMARY AXIS

justify-self: auto | normal | stretch | baseline-position

- overflow-pos | self-position

SECONDARY AXIS

align-self: auto | normal | stretch | baseline-position

- overflow-pos | self-position

TABLES

border-collapse: separate | collapse

border-spacing: size-h | size-v

caption-side: top | bottom

empty-cells: show | hide

table-layout: auto | fixed

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P Positioning

POSITIONING

position: static | relative | absolute | fixed | sticky

FLOATING

float: none | left | right

clear: none | left | right | both

POSITIONING (NOT STATIC POSITION)

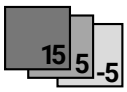
top: auto | size | %

left: auto | size | %

right: auto | size | %

bottom: auto | size | %

z-index: auto | number



G CSS Grids

CONTAINER GRIDS

EXPLICIT GRID

grid-template-columns: none | track1 | track2 ...

grid-template-rows: none | track1 | track2 ...

TRACKS

- auto | size | % | fr automatic size or specific size/fraction unit
- [linename] auto | size | % | fr named grid lines + specific size
- minmax(min , max) min <= size range <= max
- repeat(number , tracks) repeat fragments *n* times
- repeat(auto-fill, tracks) repeated fragments and fill space
- repeat(auto-fit, tracks) repeated fragments and fit space
- max-content | min-content largest max/min content track
- fit-content(size | %) ~ min(max-content, max(auto, arg))

AREA GRID

grid-template-areas: " area1 area2 " ... " areaY areaZ "

AREAS

EXAMPLE

- area grid area name (grid-area)
- . empty grid area cell
- none no grid areas are defined

```
#grid { display:grid;
grid-template-areas: " head head"
                     "nav  main"
                     "foot foot"; }
```

SHORTHAND TEMPLATE GRID

grid-template: none | template-rows / template-columns | template-areas + template-rows/columns

IMPLICIT GRID

grid-auto-columns: auto | size | %

grid-auto-rows: auto | size | %

grid-auto-flow: row | column | dense

GUTTERS (GAPS)

grid-column-gap: 0 | size | %

grid-row-gap: 0 | size | %

grid-gap: row-gap | column-gap

SHORTHAND GRID

grid: template | template-rows / auto-flow | dense | grid-auto-columns | auto-flow | dense | grid-auto-rows / template-columns

ITEM GRIDS

LINE-BASED PLACEMENT

grid-column-start/grid-column-end: auto | line

grid-row-start/grid-row-end: auto | line

grid-column: column-start | column-end

grid-row: row-start | row-end

LINES

- number | name refer to a numbered or named grid line
- span | number | name span across until grid line

PLACEMENT SHORTHANDS

grid-area: template-area | row-start / column-start / row-end / column-end