CSS Units Ultimate Cheatsheet

```
\rightarrow
      рх
             : Absolute Length
      rem : Relative to the font-size of the root Element
\rightarrow
            : Relative to the font-size of the Element
             : Relative to the parent Element
\rightarrow
      vw
            : Relative to the viewport's width, | 1vw = 1% * viewport's width
             : Relative to the viewport's height, 1vh = 1% * viewport's height
\rightarrow
      vmin : Relative to the viewport's smaller dimension, 1vmin = min(1vh , 1vw)
\rightarrow
      vmax: Relative to the viewport's larger dimension, vmax = max(vm)
\rightarrow
      ch
             : Relative to the width of the glyph "0" of the element's font
             : Inches 1in = 2.54cm = 96px
      in
                     1pc = 1in / 6 = 16px
      рс
             : Picas
             : Points 1pt = 1in / 72 = 1.333px (approximately)
      pt
\rightarrow
             : Centimeters 1cm = 1in / 2.54 = 37.8px (approximately)
      cm
             : Millimeters
                           1mm = 1cm / 10 = 3.78px (approximately)
      mm
```

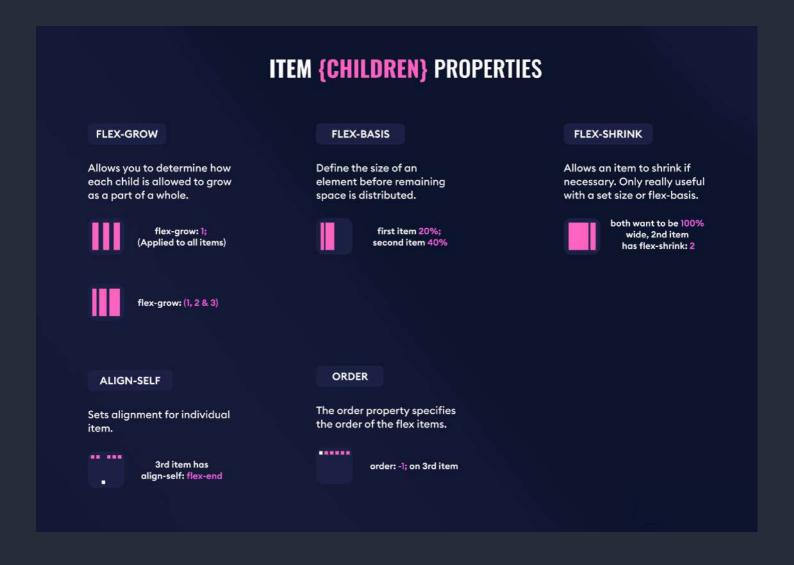


CSS Flex Ultimate Cheatsheet





CSS Flex Ultimate Cheatsheet





CSS Grid Ultimate Cheatsheet

CONTAINER {PARENT} PROPERTIES

DISPLAY

Establishes a new grid formatting context for children.



display: grid



display: inline-grid

GRID-TEMPLATE

Defines the rows & columns of the grid.



grid-template-columns: 14px 14px 14px; grid-template-rows: 14px 14px 14px;



grid-template-columns: repeat(3, 14px); grid-template-rows: repeat(3, 14px)



grid-template-columns: 5px auto 5px; grid-template-rows: 5px auto 5px;



grid-template-columns: 10% 10% auto: grid-template-rows: 10% 10% auto;

GRID-GAP

Defines the size of column & row gutters



grid-gap: 14px;



grid-gap: lpx 14px;



grid-row-gap: lpx; grid-column-gap: 14px;

Note: You can also use gar which is very similar go gric for both flexbox & grid.

JUSTIFY-CONTENT

Justifies all grid content on row axis when total grid size is smaller than container.



justify-content: start



justify-content:



justify-content: center



justify-content:



justify-content:



justify-content:





space-around

Justifies all grid content on column axis when total grid size is smaller than container.



ALIGN-CONTENT

align-content: start



align-content:



align-content: center



alian-content: stretch



align-content:



align-content: space-evenly



align-content:

GRID-AUTO-FLOW

Algorithm for automatically placing grid items that aren't explictly placed.



tells the auto-placement algorithm to fill in each row in turn, adding new

grid-auto-flow: row



tells the auto-placement algorithm to fill in each column in turn, adding new columns as necessary

grid-auto-flow: column



tells the auto-placement algorithm to attempt to fill in holes earlier in the grid if smaller items come up later

grid-auto-flow:

JUSTIFY-ITEMS

Aligns content in a grid item along the row axis.

justify-content:



justify-items:



justify-items:



justify-items: justify-items: stretch (default)

ALIGN-ITEMS

Aligns content in a grid item along the column axis.



align-items:



alian-items:





align-items: stretch

CSS Grid Ultimate Cheatsheet

ITEM {CHILDREN} PROPERTIES **GRID-ROW GRID-COLUMN** GRID-ROW + GRID-COLUMN Determines an items row-based Determines an items column-based Combining grid rows with grid location within the grid. location within the grid. columns. grid-row-start: 1; grid-column-start: 1; grid-row: 1 / spa grid-column: 1 / span 2; grid-row-end: 3; grid-column-end: 3; grid-row: 2 / span 2; grid-row-start: span 3 grid-column-start: span 3; grid-column: 2 / span 2; grid-row-start: 2: grid-column-start: 2: grid-row-end: 4; grid-column-end: 4; grid-column: 2/3; grid-row: 1/3; grid-row: 1 / span 3; grid-row: 2 / span 2; JUSTIFY-SELF ALIGN-SELF Aligns content for a specific Aligns content for a specific grid item along the row axis. grid item along the column axis. justify-self: start; align-self: start; justify-self: end; align-self: end; justify-self: center; align-self: center; justify-self: stretch; align-self: stretch;



CSS Fliter Ultimate Cheatsheet

```
.selector {

filter: blur("2px");
}

property function
```

Note: You can apply multiple functions but it has to be space seperated without comma.



No Filter Applied



filter: blur(2px);



filter: brightness(0.4);



filter: contrast(200%);



filter: drop-shadow(16px red);



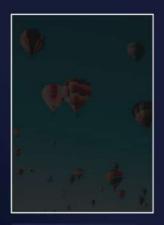
filter: grayscale(80%);



filter: hue-rotate(90deg);



filter: invert(85%);



filter: opacity(15%);

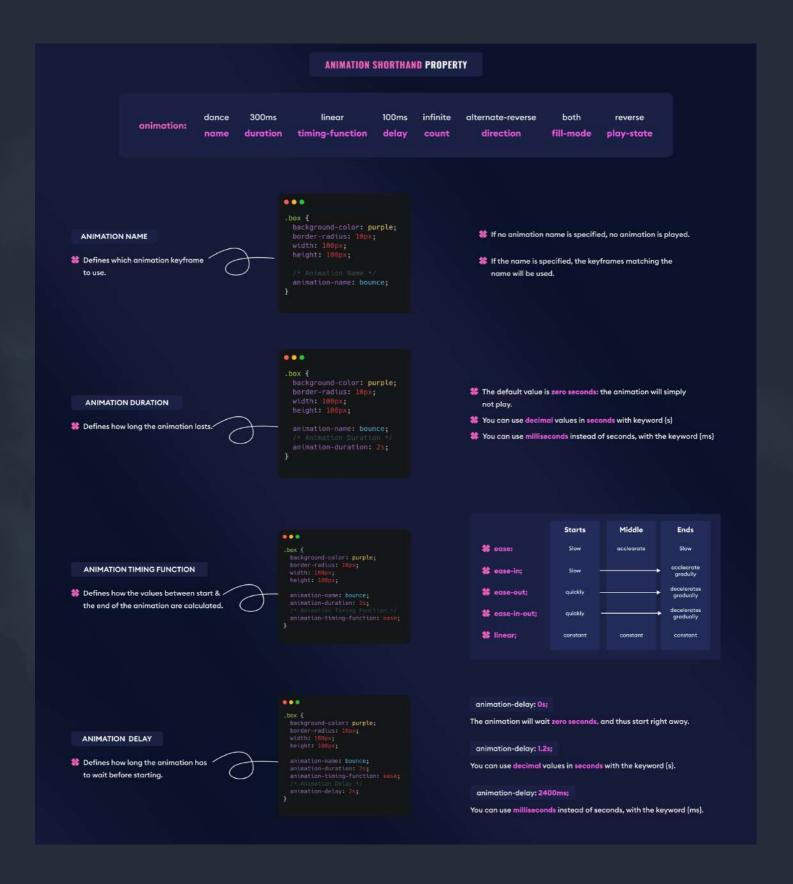


filter: saturate(400%);



filter: sepia(560%);

CSS Animation - Cheatsheet





CSS Animation - Cheatsheet



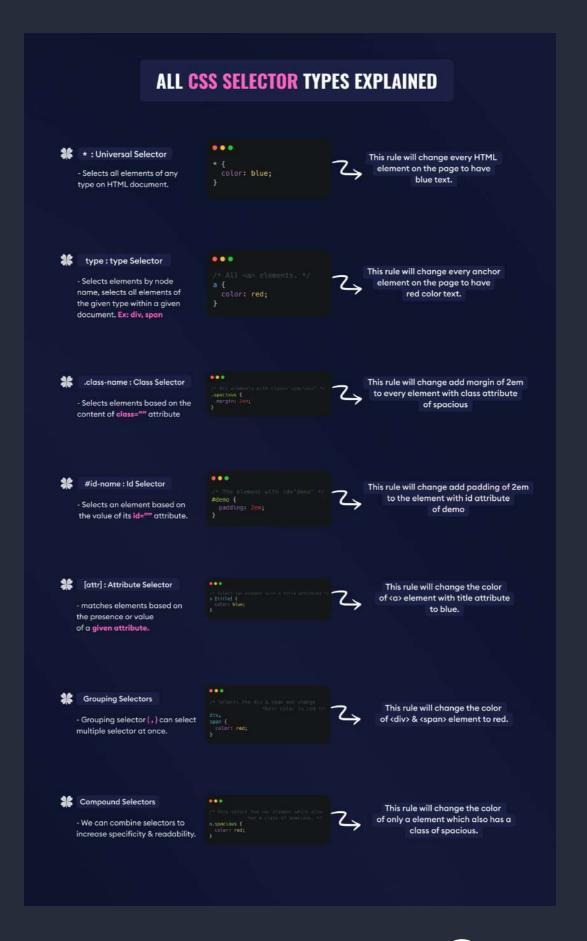


CSS Functions - Cheatsheet

CSS functional notation is the type of CSS value that can represent more complex data types or invoke special data processing or calculations.

FILTER FUNCTIONS **COLOR FUNCTIONS** TRANSFORM FUNCTIONS MATH FUNCTIONS # blur() # hsl() * matrix() at calc() * brightness() # hsla() # matrix3d() * clamp() contrast() # hwb() perspective() * max() drop-shadow() ## lab() * rotate() **瓣** min() grayscale() # lch() # rotate3d() * abs() # hue-rotate() # rgb() # rotatex() # acos() invert() * asin() # rgba() # rotatey() * rotatez() atan() opacity() # color() * saturate() * color-mix() * scale() * atan2() sepia() color-contrast() * scalex() se cos() scaley() device-cmyk() ** exp() * scalez() # hypot() **FONT FUNCTIONS** skew() # log() **COUNTER FUNCTIONS** * stylistic() * skewx() # mod() * styleset() * counter() * skewy() # pow() character-varient() * counters() * translate() ****** rem() * swash() symbols() translate3d() * round() ornaments() translatex() * sign() annotation() **GRID FUNCTIONS** * translatey() # sin() translatez() sqrt() # fit-content() stan() * minmax() # repeat() REFERENCE FUNCTIONS **IMAGE FUNCTIONS** # attr() * env() # conic-gradient() # url() linear-gradient() # radial-gradient() # var() repeating-linear-gradient() repeating-radial-gradient() **SHAPE FUNCTIONS** repeating-conic-gradient() * circle() # cross-fade() # ellipse() # element() # inset() * paint() # polygon() # path()

All CSS Selector Types Explained





All CSS Combinatots Explained







click here!