Grids and flexbox cheat sheet

Note: '|' stands for alternatives or OR.

Grid

The syntax for creating a grid:

```
selector{
display: grid| inline-grid
}
```

Grid shorthand consists of the following properties with default values:

grid:

grid-template-rows: none

grid-template-columns: none

grid-template-areas: none

grid-auto-rows: auto

grid-auto-columns: auto

grid-auto-flow: row

grid-column-gap: 0

grid-row-gap: 0

column-gap: normal

row-gap: normal

Grid properties for container

grid-template-columns: measurement units | % units |repeat()

grid-template-rows: measurement units | % units |repeat()

grid-auto-columns: measurement unit (fixed value for all columns)

grid-auto-rows: measurement unit (fixed value for all rows)

grid-template: "header header" auto

"main right" 75vh

"footer footer" 20rem

grid-template-areas: "header header"

"main right"

"footer footer"

Gap

grid-gap: measurement units

grid-column-gap: measurement units

grid-row-gap: m-unit-1 m-unit-2

Alignment

justify-items: start | center | end | stretch

align-items: start | center | end | stretch

place-items: start | stretch /* shorthand for two properties above */

Justification

justify-content: start | center | end | stretch | space-between | space-evenly | space-around

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

place-content: center | start

Positioning

grid-auto-flow: row | column | dense

grid-auto-columns: measurement units

grid-auto-rows: measurement units

Grid properties for items (child)

grid-column: column position /* E.g. 1/2 */

grid-column-start: column start position

grid-column-end: column end position

grid-row: row position /* E.g. 1/2 */

grid-row-start: row start position

grid-row-end: row end position

grid-area: "some name" | /*E.g. 2/1/3/2 */ /* Shorthand for row-column properties above.

Justification and alignment

justify-self: start | center | end | stretch

align-self: start | center | end | stretch

place-self: start | stretch /* shorthand for two properties above */

Flexbox

The syntax for creating a flexbox:

selector{

display: flex | inline-flex

}

Properties for flexbox container

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

flex-wrap: wrap | nowrap

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

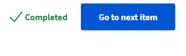justify-content: flex-start | flex-end | center | space-between | space-evenly | space-around

Properties for flexbox items (child)

Shorthand:

flex:

flex-grow: factor of flex's main size   /* E.g. 1 */

flex-shrink: factor of flex's main size   /* E.g. 0 */

flex-basis: auto | factor of main's size | measurement unit

order:position in flex /* Set ascending by default */

align-self: start | center | end | stretch

👍 **Like**   👎 **Dislike**   🚩 **Report an issue**