CSS Grid Container

1	2	3	4
5	6	7	8

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Grid Container

To make an HTML element behave as a grid container, you have to set the display property to *grid* or *inline-grid*.

Grid containers consist of grid items, placed inside columns and rows.

The grid-template-columns Property

The `grid-template-columns` property defines the number of columns in your grid layout, and it can define the width of each column.

The value is a space-separated-list, where each value defines the length of the respective column.

If you want your grid layout to contain 4 columns, specify the width of the 4 columns, or "auto" if all columns should have the same width.

Example

Make a grid with 4 columns:

```
.grid-container {
  display: grid;
  grid-template-columns: auto auto
auto auto;
}
```

Note: If you have more than 4 items in a 4 columns grid, the grid will automatically add a new row to put the items in.

The `grid-template-columns` property can also be used to specify the size (width) of the columns.

Example

Set a size for the 4 columns:

```
.grid-container {
  display: grid;
  grid-template-
columns: 80px
200px auto 40px;
}
```

The grid-
template-

rows Property

The `grid-template-rows` property defines the height of each row.

<div>

1	2	3	4
5	6	7	8

</div>

The value is a space-separated-list, where each value defines the height of the respective row:
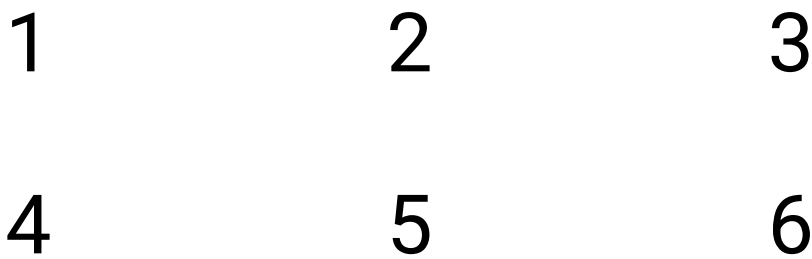
Example

```css
.grid-container {
  display: grid;
  grid-template-rows: 80px 200px;
}
```

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The justify-content Property

The `justify-content` property is used to align the whole grid inside the container.

<div class="grid-example">

1   2   3

4   5   6

</div>

Note: The grid's total width has to be less than the container's width for the justify-content property to have any effect.

Example

```css
.grid-container {
  display: grid;
  justify-content: space-evenly;
}
```

Try it Yourself »

Example

```css
.grid-container {
  display: grid;
  justify-content: space-around;
}
```

Try it Yourself »

Example

```css
.grid-container {
  display: grid;
  justify-content: space-between;
}
```

Try it Yourself »

Example

```css
.grid-container {
  display: grid;
  justify-content: center;
}
```

Try it Yourself »

Example

```
.grid-container {
  display: grid;
  justify-content:
start;
}
```

Try it Yourself »

Example

```
.grid-container {
  display: grid;
  justify-content:
end;
}
```

Try it Yourself »

The align-content Property

The `align-content` property is used to *vertically* align the whole grid inside the container.

1   2   3

<div style="text-align: center;">4   5   6</div>

Note: The grid's total height has to be less than the container's height for the align-content property to have any effect.

Example

```css
.grid-container {
  display: grid;
  height: 400px;
  align-content: center;
}
```

Try it Yourself »

Example

```css
.grid-container {
  display: grid;
  height: 400px;
  align-content: space-evenly;
}
```

Example

```css
.grid-container {
  display: grid;
  height: 400px;
  align-content: space-around;
}
```

Example

```css
.grid-container {
  display: grid;
  height: 400px;
  align-content: space-between;
}
```

Example

```css
.grid-container {
  display: grid;
  height: 400px;
  align-content: start;
}
```

Example

```
.grid-container {
  display: grid;
  height: 400px;
  align-content:
end;
}
```

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