Grid Basics

Gary Simon
GRAPHIC DESIGNER & DEVELOPER

www.garysimon.com

```css
.myGrid {

    display: grid;

}
```

Defining a Grid

```css
.myGrid {

    display: grid;

    display: inline-grid;

}
```

Defining a Grid

Columns and Rows

```
grid-template-columns:

grid-template-rows:
```

Columns and Row Properties

```
grid-template-columns: 20px 50% auto;

grid-template-rows:    1fr 1.5fr;
```

Columns and Row Values

Units for Defining Columns and Rows

Pixels (px)

Percentage (%)

Fraction (fr)

```
grid-template-columns: repeat();
```

Repeating Columns or Rows

```
grid-template-columns: repeat(3);
```

Repeating Columns or Rows

```
grid-template-columns: repeat(3, 15%);
```

Repeating Columns or Rows

```
grid-template-columns: repeat(3,15%) auto;
```

Repeating Columns or Rows

Grid Lines

```
grid-template-columns: 10% 40% auto;
                        1    2    3
```

Implicit Grid Lines

```
grid-template-columns:
[sidebar] 10% [content] 40% [sidebar] auto [last-line];
```

Explicit Grid Lines

```
grid-column-start:

grid-column-end:


grid-row-start:

grid-row-end:
```

Using Grid Lines in Child Containers

grid-column &
grid-row values

Implicit Number

Explicit Name

Span (Implicit or Explicit)

auto

Grid Template Areas

```
grid-template-columns: 20% 50% auto;
grid-template-rows:     30px 30% auto;

grid-template-area:

    "logo navigation exit"

    "left middle right";
```

Grid Template Area Property & Value

```
grid-template-columns: 20% 50% auto;
grid-template-rows:    30px 30% auto;

grid-template-area:

    ". navigation exit"

    ". middle right";
```

Empty Template Areas

```
grid-template-columns: 20% 50% auto;
grid-template-rows:     30px 30% auto;

grid-template-area:

    "logo logo exit"

    "left middle right";
```

Spanning Multiple Tracks

```
.logo {

    grid-area: logo;

}
```

Using Grid Template Areas on Children