

# Flexbox Basics

Flexbox is a CSS display layout method that allows for easy arranging of components in rows or columns. Flexbox is an easy to use, reliable and cross-browser tool for creating a layout for a webpage. It is able to achieve the same functionality as floats and positions while having added features that make a variety of designs easier to implement.

The following syntax sets a **section** tag as a flex container which in turn makes its child items flex-items:

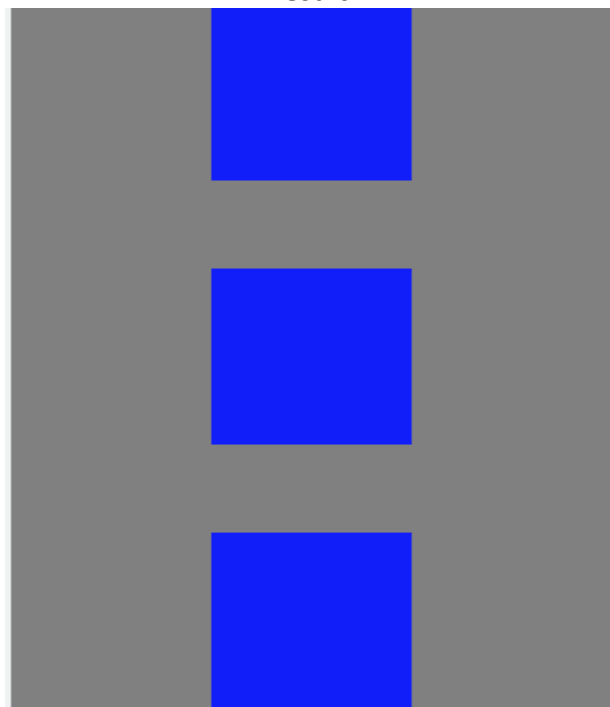
```
section {  
  display: flex;  
}
```

The following CSS code shows flexbox utilizing a "column" **flex-direction**. The **justify-content** and **align-items** properties sets the alignment of the flex items along the main-axis and the cross-axis, respectively.

Code:

```
.flexColumnExampleContainer {  
  display: flex;  
  background-color: gray;  
  width: 300px;  
  height: 400px;  
  flex-direction: column;  
  justify-content: space-between;  
  align-items: center;  
}  
  
.flexColumnExample {  
  width: 100px;  
  height: 100px;  
  background-color: blue;  
}
```

Result:



The following CSS code shows flexbox utilizing a "row" **flex-direction**. The directional alignment of the cross-axis and the main-axis changes based on the flex-direction property.

**Code:**

```
.flexRowExampleContainer {  
  display: flex;  
  background-color: gray;  
  width: 350px;  
  height: 400px;  
  flex-direction: row;  
  justify-content: space-between;  
  align-items: center;  
}  
  
.flexRowExample {  
  width: 100px;  
  height: 100px;  
  background-color: blue;  
}
```

**Result:**

