

Chapter 50: Vertical Centering

Section 50.1: Centering with display: table

HTML:

```
<div class="wrapper">
  <div class="outer">
    <div class="inner">
      centered
    </div>
  </div>
</div>
```

CSS:

```
.wrapper {
  height: 600px;
  text-align: center;
}
.outer { display:
  table; height:
  100%;
  width: 100%;
}
.outer .inner {
  display: table-cell;
  text-align: center;
  vertical-align: middle;
}
```

Section 50.2: Centering with Flexbox

HTML:

```
<div class="container">
  <div class="child"></div>
</div>
```

CSS:

```
.container { height:
  500px; width:
  500px; display:
  flex; // Use Flexbox
  align-items: center; // This centers children vertically in the parent.
  justify-content: center; // This centers children horizontally.
  background: white;
}

.child {
  width: 100px;
  height: 100px;
  background: blue;
}
```

Section 50.3: Centering with Transform

HTML:

```
<div class="wrapper">
  <div class="centered">
    centered
  </div>
</div>
```

CSS:

```
.wrapper {
  position: relative;
  height: 600px;
}
.centered { position:
  absolute; z-index:
  999;
  transform: translate(-50%, -50%);
  top: 50%;
  left: 50%;
}
```

Section 50.4: Centering Text with Line Height

HTML:

```
<div class="container">
  <span>vertically centered</span>
</div>
```

CSS:

```
.container {
  height: 50px; /* set height */
  line-height: 50px; /* set line-height equal to the height */
  vertical-align: middle; /* works without this rule, but it is good having it explicitly set */
}
```

Note: This method will only vertically center a *single line of text*. It will not center block elements correctly and if the text breaks onto a new line, you will have two very tall lines of text.

Section 50.5: Centering with Position: absolute

HTML:

```
<div class="wrapper">
  
</div>
```

CSS:

```
.wrapper {
  position: relative;
}
```

```

    height: 600px;
}
.wrapper img {
    position: absolute;
    top: 0;
    left: 0;
    right: 0;
    bottom: 0;
    margin: auto;
}

```

If you want to center other than images, then you must give height and width to that element.

HTML:

```

<div class="wrapper">
  <div class="child"> make
    me center
  </div>
</div>

```

CSS:

```

.wrapper {
    position: relative;
    height: 600px;
}
.wrapper .child {
    position: absolute;
    top: 0;
    left: 0;
    right: 0;
    bottom: 0;
    margin: auto;
    width: 200px;
    height: 30px;
    border: 1px solid #f00;
}

```

Section 50.6: Centering with pseudo element

HTML:

```

<div class="wrapper">
  <div class="content"></div>
</div>

```

CSS:

```

.wrapper {
    min-height: 600px;
}
.wrapper:before {
    content: "";
    display: inline-block;
    height: 100%;
    vertical-align: middle;
}

```

```
.content {  
  display: inline-block;  
  height: 80px;  
  vertical-align: middle;  
}
```

This method is best used in cases where you have a varied-height `.content` centered inside `.wrapper`; and you want `.wrapper`'s height to expand when `.content`'s height exceed `.wrapper`'s min-height.