

# Create a Table



## Default table

Header1	Header2	Header3
Row1, Cell1	Row1, Cell2	Row1, Cell3
Row2, Cell1	Row2, Cell2	Row2, Cell3
Row3, Cell1	Row3, Cell2	Row3, Cell3

## Styled table

Header1	Header2	Header3
Row1, Cell1	Row1, Cell2	Row1, Cell3
Row2, Cell1	Row2, Cell2	Row2, Cell3
Row3, Cell1	Row3, Cell2	Row3, Cell3

A table is created with the help of `table`, `tr`, `th`, and `td` tags. For example,

```
<table>
  <tr>
    <th>Name</th>
    <th>Location</th>
  </tr>
  <tr>
    <td>James</td>
    <td>Chicago</td>
  </tr>
  <tr>
    <td>Robert</td>
    <td>New York</td>
  </tr>
</table>
```

## Output

 CSS Table >

Name	Location
James	Chicago
Robert	New York

# Style Your Table

We can add the following styles for the table,

- Table borders
- Collapse table borders
- Border spacing
- Table size
- Table layout
- Horizontal alignment
- Vertical alignment
- Background color
- Table padding
- Hover effect

## 1. Table borders

```
<table>
  <tr>
    <th>Name</th>
    <th>Location</th>
  </tr>
  <tr>
    <td>James</td>
    <td>Chicago</td>
  </tr>
  <tr>
    <td>Robert</td>
    <td>New York</td>
```

```
</tr>
<tr>
  <td>Charlie</td>
  <td>Boston</td>
</tr>
```

```
</table>
```

Css:

```
/* applies border to the table */
table,th,td {
  border: 1px solid black;
}
```



CSS Table Border >



Name	Location
James	Chicago
Robert	New York
Charlie	Boston

### Collapse Table Border

The border-collapse property merges the border between the table cells into a single border.

For example,

```
table {
  border-collapse: collapse;
}
```

### Browser Output



CSS Border Collapse >



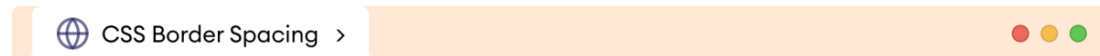
Name	Location
James	Chicago
Robert	New York
Charlie	Boston

## Border Spacing

The border-spacing property specifies the gap between the adjacent cell borders. For example,

```
table {  
  border-spacing: 20px;  
}
```

## Browser Output



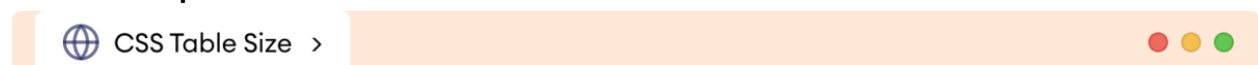
Name	Location
James	Chicago
Robert	New York
Charlie	Boston

## Table Size

The size of the table can be changed by using the width and height properties. For example,

```
table {  
  border-collapse: collapse;  
  border: 1px solid black;  
  width: 80%;  
  height: 170px;  
}
```

## Browser Output



Name	Location
James	Chicago
Robert	New York
Charlie	Boston

## Table Layout

The table-layout property specifies the structure and behavior of the table.

It can take one of the following values:

- auto: adjusts the column widths automatically based on content
- fixed: specifies the fixed column width

Let's see an example,

```
<table>
  <tr>
    <th>Header 1</th>
    <th>Header 2</th>
    <th>Header 3</th>
  </tr>

  <tr>
    <td>
      This table cell contains large amount of the text.
    </td>
    <td>Cell 2</td>
    <td>Cell 3</td>
  </tr>
</table>
```

Css:

```
/* styles table with fixed layout */
```

```
table {
  width: 500px;
  table-layout: fixed;
}
```

```
table, th , td {
  border: 1px solid black;
  border-collapse: collapse;
}
```

Output:



Header 1	Header 2	Header 3
This table cell contains large amount of the text.	Cell 2	Cell 3

table-layout: auto;

### Horizontal Alignment

The text-align property sets the horizontal alignment of the table content. For example

```
<body>
  <h2>Horizontal alignment</h2>
  <table>

    <tr>
      <th>text-align: left</th>
      <th>text-align: right</th>
      <th>text-align: center</th>
      <th>text-align: justify</th>
    </tr>

    <tr>
      <td class="first-data">Left</td>
      <td class="second-data">Right</td>
      <td class="third-data">Center</td>
      <td class="fourth-data">Justify the content</td>
    </tr>

  </table>
</body>
```

Css

```
.first-data {  
    text-align: left;  
}
```

```
.second-data {  
    text-align: right;  
}
```

```
.third-data {  
    text-align: center;  
}
```

```
.fourth-data {  
    text-align: center;  
}
```

```
table {  
    width: 100%;  
    border-collapse: collapse;  
}
```

```
table,th,td {  
    border: 1px solid black;  
}
```

```
.first-data {  
    text-align: left;  
}
```

```
.second-data {  
    text-align: right;  
}
```

```
.third-data {  
    text-align: center;  
}
```

```
.fourth-data {  
    text-align: center;  
}
```

```
table {  
    width: 100%;  
    border-collapse: collapse;  
}
```



```
table,th,td {  
  border: 1px solid black;  
}
```

Output:



## Horizontal alignment

<b>text-align: left</b>	<b>text-align: right</b>	<b>text-align: center</b>	<b>text-align: justify</b>
Left	Right	Center	Justify the content

### Vertical Alignment

The vertical-align property sets the vertical alignment of the table content.

Let's see an example,

```
<h2>Vertical alignment</h2>
```

```
<table>
```

```
<tr>
```

```
<th>vertical-align: top</th>
```

```
<th>vertical-align: bottom</th>
```

```
<th>vertical-align: middle</th>
```

```
<th>vertical-align: baseline</th>
```

```
</tr>
```

```
<tr>
```

```
<td class="first-data">Top</td>
```

```
<td class="second-data">Bottom</td>
```

```
<td class="third-data">Middle</td>
```

```
<td class="fourth-data">Baseline</td>
```

```
</tr>
```

```
</table>
```

CSS:

```
.first-data {  
  vertical-align: top;  
}
```

```
.second-data {  
  vertical-align: bottom;  
}
```

```
.third-data {  
  vertical-align: middle;  
}
```

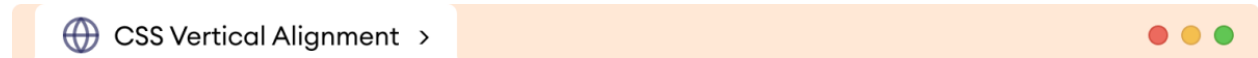
```
.fourth-data {  
  vertical-align: baseline;  
}
```

```
table {  
  width: 100%;  
  border-collapse: collapse;  
}
```

```
table,th,td {  
  border: 1px solid black;  
}
```

```
td {  
  height: 50px;  
}
```

OUTPUT:



## Vertical alignment

vertical-align: top	vertical-align: bottom	vertical-align: middle	vertical-align: baseline
Top	Bottom	Middle	Baseline

### Background Color

The table can be styled with different background colors. For example,

```
<table>
```

```
  <tr>
```

```
    <th>Name</th>
```

```
    <th>Location</th>
```

```
  </tr>
```

```

    <tr>
      <td>James</td>
      <td>Chicago</td>
    </tr>

    <tr>
      <td>Robert</td>
      <td>New York</td>
    </tr>

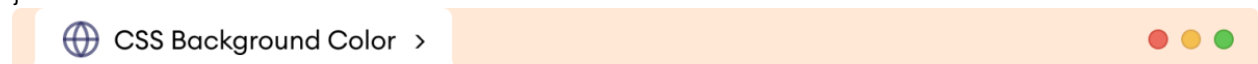
  </table>
CSS:
th {
  background-color: greenyellow;
}

tr {
  background-color: yellow;
}

table {
  border-collapse: collapse;
  width: 100%;
}

table, th, td {
  border: 1px solid black;
}

```



Name	Location
James	Chicago
Robert	New York

### Table Padding

The padding property adds the space between the border and the content. For example,

```

<table>
  <tr>
    <th>Name</th>
    <th>Location</th>
  </tr>

  <tr>
    <td>James</td>
    <td>Chicago</td>
  </tr>

</table>

```

```
<td>Robert</td>
<td>New York</td>
</tr>
```

```
<tr>
  <td>Charlie</td>
  <td>Boston</td>
</tr>
```

```
</table>
```

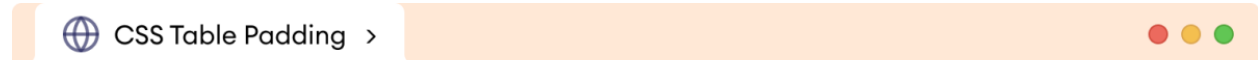
CSS:

```
th,td {
  padding: 15px;
}
```

```
table {
  border-collapse: collapse;
}
```

```
table,th,td {
  border: 1px solid black;
}
```

OUTPUT:



Name	Location
James	Chicago
Robert	New York
Charlie	Boston

In the above example,

`padding: 15px`

adds a 15 pixels gap between the border and the content in the table.

### **Hoverable Table**

We can add the hover effect to the table elements with the help of the hover pseudo-class selector. For example, CSS:

```
tr:hover {  
    background-color: yellow;  
}
```