

HTML TABLES

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WHAT ARE TABLES

Show information/data within
row and columns

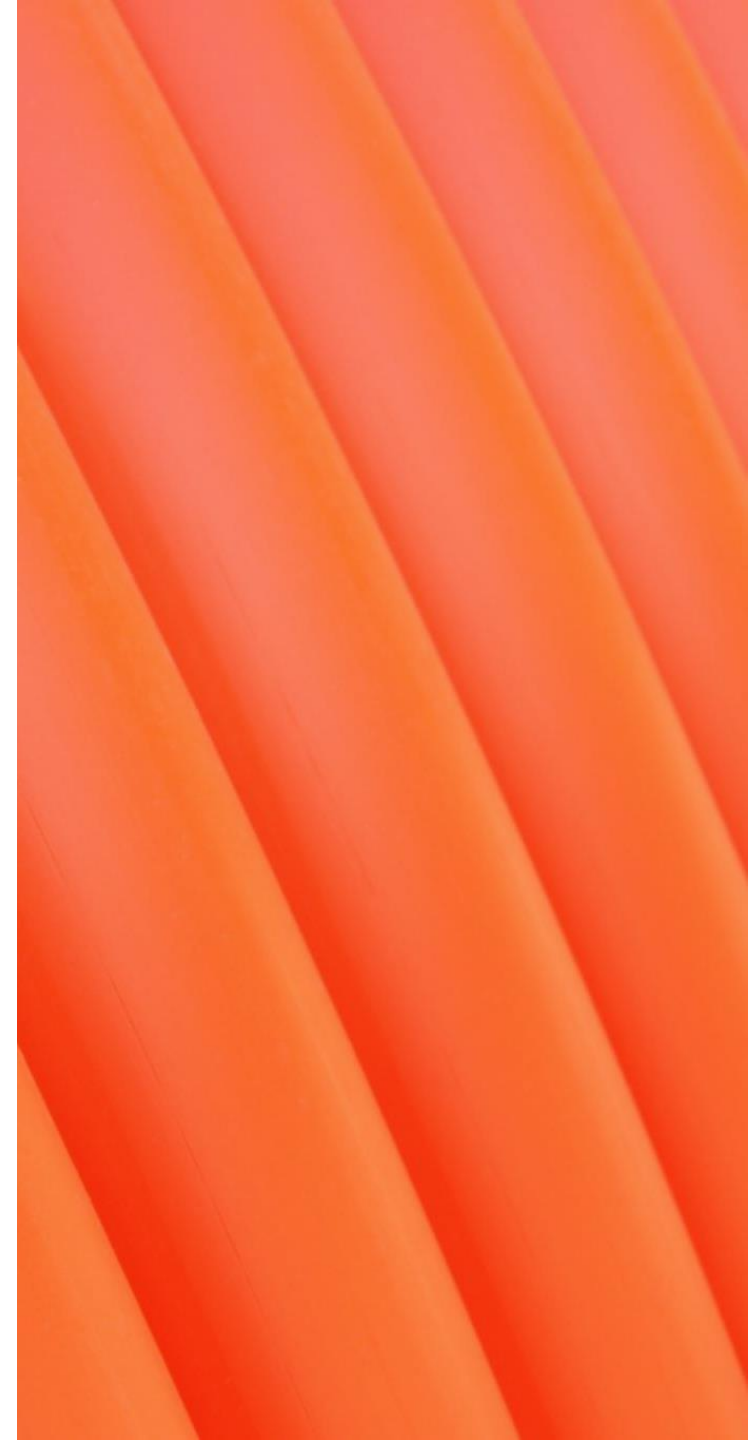
Rank	Name	Points	Team
1	Domenic	88,110	dcode
2	Sally	72,400	Students
3	Nick	52,300	dcode

```
<table>
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>Alfreds Futterkiste</td>
    <td>Maria Anders</td>
    <td>Germany</td>
  </tr>
  <tr>
    <td>Centro comercial Moctezuma</td>
    <td>Francisco Chang</td>
    <td>Mexico</td>
  </tr>
</table>
```

Table within table

Example:

**USUAL: COLUMN OR
TABULAR DATA IS USED
WITH TABLES**



Schedule of the whole number of Persons in the Territory of the United States North (out of the Ohio).

Names of Counties	Free white Males					Free white Females					Slaves
	Under ten years of Age	Between ten and twenty years	Between twenty and thirty years	Between thirty and forty years	Forty years and upwards	Under ten years of Age	Between ten and twenty years	Between twenty and thirty years	Between thirty and forty years	Forty years and upwards	
Jefferson	410	416	426	445	438	410	416	426	445	438	
Washington	1937	738	749	751	417	1708	719	718	686	338	35
Adams	1035	379	568	642	292	991	328	474	507	193	18
Hamilton	737	273	319	341	177	664	261	267	273	115	15
Wayne	3273	1335	1502	1251	480	3098	1165	1297	954	344	0
Rolls	546	201	332	584	198	467	193	252	198	100	139
Stumhill	1648	636	928	1061	326	1418	608	760	698	292	125
	202	71	228	223	55	206	83	93	106	21	5
The aggregate amount of each Description.	9362	3647	4636	4833	1985	8644	3353	3661	3342	1348	337
The whole number of Inhabitants in the Territory 45,365.											

TIMELESS

Ancient civilizations used tables

When should you NOT use HTML tables?

HTML tables should be used for tabular data — this is what they are designed for. Unfortunately, a lot of people used to use HTML tables to lay out web pages, e.g. one row to contain the header, one row to contain the content columns, one row to contain the footer, etc. You can find more details and an example at [Page Layouts](#) in our [Accessibility Learning Module](#). This was commonly used because CSS support across browsers used to be terrible; table layouts are much less common nowadays, but you might still see them in some corners of the web.

In short, using tables for layout rather than [CSS layout techniques](#) is a bad idea. The main reasons are as follows:

- 1. Layout tables reduce accessibility for visually impaired users:** [screen readers](#), used by blind people, interpret the tags that exist in an HTML page and read out the contents to the user. Because tables are not the right tool for layout, and the markup is more complex than with CSS layout techniques, the screen readers' output will be confusing to their users.
- 2. Tables produce tag soup:** As mentioned above, table layouts generally involve more complex markup structures than proper layout techniques. This can result in the code being harder to write, maintain, and debug.
- 3. Tables are not automatically responsive:** When you use proper layout containers (such as `<header>`, `<section>`, `<article>`, or `<div>`), their width defaults to 100% of their parent element. Tables on the other hand are sized according to their content by default, so extra measures are needed to get table layout styling to effectively work across a variety of devices.

COMMON ELEMENTS

`tr`

A single, horizontal row that goes across the table

`td`

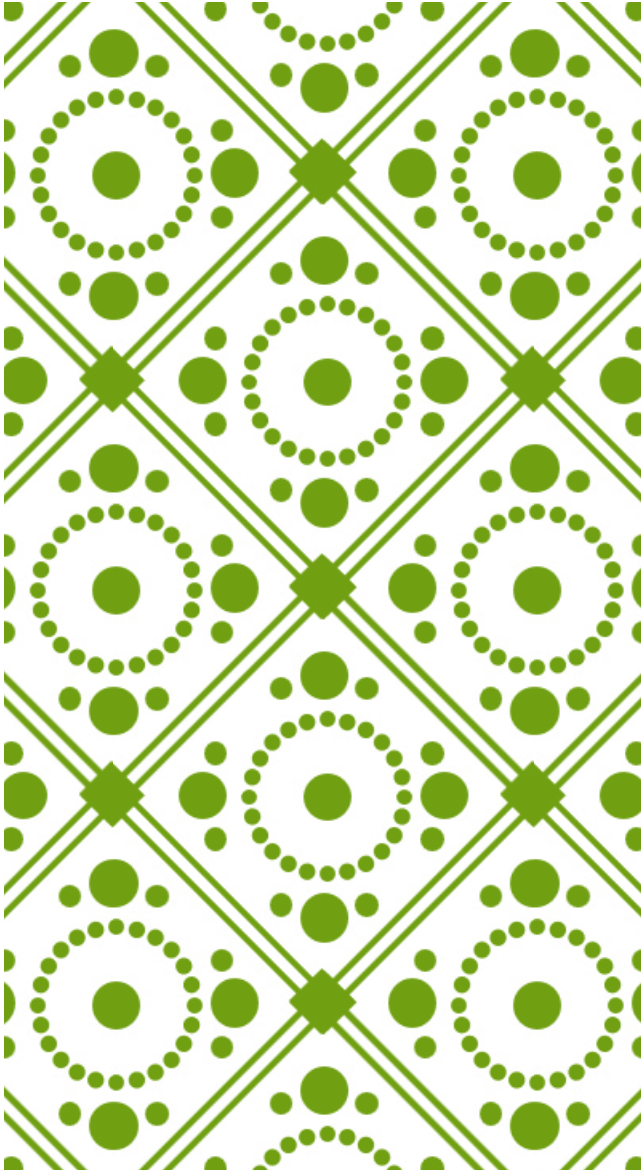
Creates a cell. Intersection of a column and row

`caption`

A centered, short description on top of the table

`th`

Column headers. Not required.



title1			title2	title3			
<table><tr><td>cell1</td><td>cell2</td><td>cell3</td></tr></table>			cell1	cell2	cell3	cell2	cell3
cell1	cell2	cell3					
cell4							
cell5			cell6	cell7			

NESTING

```
<table id="table1">
  <tr>
    <th>title1</th>
    <th>title2</th>
    <th>title3</th>
  </tr>
  <tr>
    <td id="nested">
      <table id="table2">
        <tr>
          <td>cell1</td>
          <td>cell2</td>
          <td>cell3</td>
        </tr>
      </table>
    </td>
    <td>cell2</td>
    <td>cell3</td>
  </tr>
  <tr>
    <td>cell4</td>
    <td>cell5</td>
    <td>cell6</td>
  </tr>
</table>
```


COLSPAN

should be `<td>`

`<td colspan="2">`

```
<table>
  <tr>
    <th></th>
    <th>9am</th>
    <th>10am</th>
    <th>11am</th>
    <th>12am</th>
  </tr>
  <tr>
    <th>Monday</th>
    <td colspan="2">Geography</td>
    <td>Math</td>
    <td>Art</td>
  </tr>
  <tr>
    <th>Tuesday</th>
    <td colspan="3">Gym</td>
    <td>Home Ec</td>
  </tr>
</table>
```

RESULT

	9am	10am	11am	12am
Monday	Geography		Math	Art
Tuesday	Gym			Home Ec

ROWSPAN

`<td rowspan="2">`

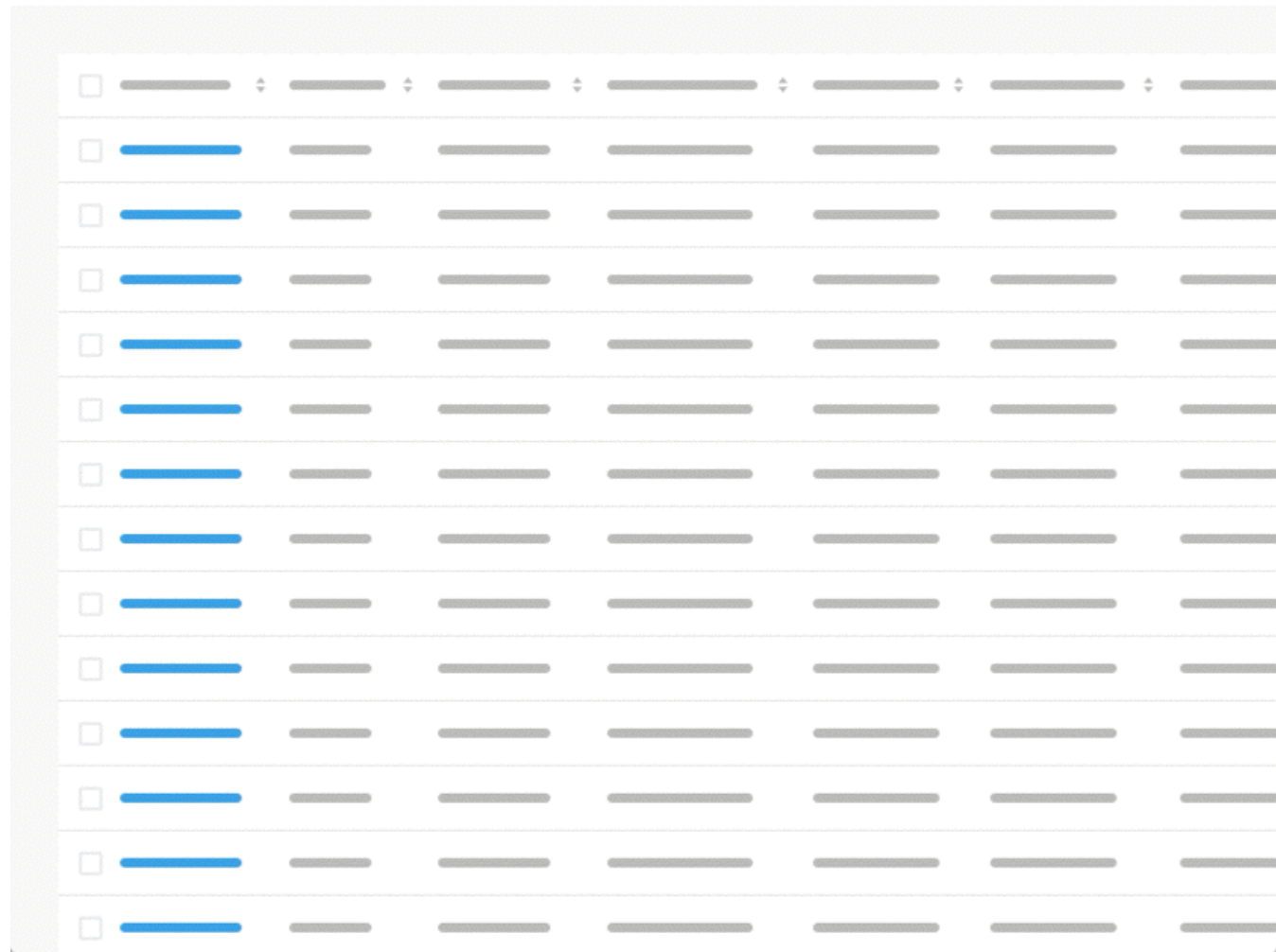
```
<table>
  <tr>
    <th></th>
    <th>ABC</th>
    <th>BBC</th>
    <th>CNN</th>
  </tr>
  <tr>
    <th>6pm - 7pm</th>
    <td rowspan="2">Movie</td>
    <td>Comedy</td>
    <td>News</td>
  </tr>
  <tr>
    <th>7pm - 8pm</th>
    <td>Sport</td>
    <td>Current Affairs</td>
  </tr>
</table>
```

RESULT

	ABC	BBC	CNN
6pm - 7pm	Movie	Comedy	News
7pm - 8pm		Sport	Current Affairs

SCROLLABLE

(HEADERS STATIONARY)



<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
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<input type="checkbox"/>							
<input type="checkbox"/>							

<https://bit.ly/3v0nlkK>

OLD WAY: width and height,
border, etc....

However, we should be
using CSS

```
<table width="400" cellpadding="10" cellspacing="5">
  <tr>
    <th width="150"></th>
    <th>Withdrawn</th>
    <th>Credit</th>
    <th width="150">Balance</th>
  </tr>
  <tr>
    <th>January</th>
    <td>250.00</td>
    <td>660.50</td>
    <td>410.50</td>
  </tr>
  <tr>
    <th>February</th>
    <td>135.55</td>
    <td>895.20</td>
    <td>1170.15</td>
  </tr>
</table>
```

[HTTPS://BIT.LY/3G5ALFC](https://bit.ly/3G5ALFC)



COLGROUP AND COL

To apply common styling to a column of cells

```
<table>
  <colgroup>
    <col>
    <col style="background-color: yellow">
  </colgroup>
  <tr>
    <th>Data 1</th>
    <th>Data 2</th>
  </tr>
  <tr>
    <td>Calcutta</td>
    <td>Orange</td>
  </tr>
  <tr>
    <td>Robots</td>
    <td>Jazz</td>
  </tr>
</table>
```




RESPONSIVE WEB DESIGN

NEVER USE TABLES

FOR PAGE TEMPLATES