**Gemini**

Tables

* Traditional Purpose: Originally designed for tabular data (e.g., spreadsheets).
* Layout Use: Can be used for layout, but not recommended for complex or dynamic layouts.
* Structure:
  + <table> defines the table.
  + <tr> defines a table row.
  + <td> defines a table cell.

<div> Elements

* Purpose: Generic container element.
* Layout Use: Versatile for creating various layouts, especially with CSS.
* Structure: A simple block-level element.

Example HTML Document

HTML

<!DOCTYPE html>

<html>

<head>

<title>Table vs. Div Layout</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid black;

padding: 8px;

text-align: left;

}

.container {

display: flex;

flex-wrap: wrap;

}

.box {

width: 200px;

height: 200px;

border: 1px solid black;

margin: 10px;

text-align: center;

}

</style>

</head>

<body>

<h2>Table Layout</h2>

<table>

<tr>

<th>Header 1</th>

<th>Header 2</th>

</tr>

<tr>

<td>Cell 1</td>

<td>Cell 2</td>

</tr>

</table>

<h2>Div Layout</h2>

<div class="container">

<div class="box">Box 1</div>

<div class="box">Box 2</div>

<div class="box">Box 3</div>

</div>

</body>

</html>

Use code [with caution.](/faq#coding)

When to Use Tables vs. <div>

Use tables for:

* Simple tabular data (e.g., spreadsheets, schedules).
* Basic grid-based layouts.

Use <div> elements for:

* Complex layouts.
* Dynamic content.
* Responsiveness.

Reasons to avoid using tables for layout:

* Accessibility issues: Screen readers may have difficulty interpreting tables for layout purposes.
* Maintenance difficulties: Tables can become complex and difficult to maintain, especially for large or dynamic layouts.
* SEO: Search engines may have difficulty understanding the content structure when tables are used for layout.

In conclusion, while tables can be used for layout, <div> elements are generally more flexible and recommended for creating modern, responsive web designs.