

CSS Grid Intro

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[CSS Grid Intro](#)

CSS Grid Layout Module



Grid Layout

CSS Grid Layout Module (rows) (columns)
floats positioning

Grid Elements

가

Example

```

<style>
  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    background-color:#2196F3;
  }

```

```
padding: 10px;
}
.grid-item {
background-color: rgba(255, 255, 255, 0.8);
border: 1px solid rgba(0, 0, 0, 0.8);
padding: 20px;
font-size: 30px;
text-align: center;
}
</style>
</head>
<body>

<h1>Grid Elements</h1>

<p>
A Grid Layout must have a parent element with the display
property
set to grid or inline-grid.</p>

<p>
Direct child element(s) of the grid container automatically becomes
grid items.
</p>

<div class="grid-container">
<div class="grid-item">1</div>
<div class="grid-item">2</div>
<div class="grid-item">3</div>
<div class="grid-item">4</div>
<div class="grid-item">5</div>
<div class="grid-item">6</div>
<div class="grid-item">7</div>
<div class="grid-item">8</div>
<div class="grid-item">9</div>
</div>
</body>
```



Display Property

HTML display grid inline-grid 가 .

Example

```

<style>
  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto; /* 3 ( ) ,
3 (가 )가 */
    background-color: #2196F3;
    padding: 10px;
  }

  .grid-item {
    background-color: rgba(255, 255, 255, 0.8);
    border: 1px solid rgba(0, 0, 0, 0.8);
    padding: 20px;
    font-size: 30px;
    text-align: center;
  }
</style>
</head>
<body>

<h1>The display Property:</h1>
<div class="grid-container">
  <div class="grid-item">1</div>
  <div class="grid-item">2</div>
  <div class="grid-item">3</div>
  <div class="grid-item">4</div>
  <div class="grid-item">5</div>
  <div class="grid-item">6</div>
  <div class="grid-item">7</div>
  <div class="grid-item">8</div>
  <div class="grid-item">9</div>
</div>

<p>
  Set the <em>display</em> property to <em>grid</em> to make a block-
  level grid container.
</p>
</body>

```



Example

```

<style>
  .grid-container {
    display: inline-grid;

```

```

    grid-template-columns: auto auto auto; /* 3 ( ) ,
3   (가 )가 */
    background-color: #2196F3;
    padding: 10px;
}

.grid-item {
    background-color: rgba(255, 255, 255, 0.8);
    border: 1px solid rgba(0, 0, 0, 0.8);
    padding: 20px;
    font-size: 30px;
    text-align: center;
}
</style>
</head>
<body>

<h1>The display Property:</h1>
<div class="grid-container">
  <!-- .grid-item*9 -->
  <div class="grid-item">1</div>
  <div class="grid-item">2</div>
  <div class="grid-item">3</div>
  <div class="grid-item">4</div>
  <div class="grid-item">5</div>
  <div class="grid-item">6</div>
  <div class="grid-item">7</div>
  <div class="grid-item">8</div>
  <div class="grid-item">9</div>
</div>

<p>
  Set the <em>display</em> property to <em>inline-grid</em>
  to make a block-level grid container.
</p>
</body>

```




Grid Columns

() (columns) .



ref : The source of this png file is [CSS Grid Intro](#)

Grid Rows

 () (rows) .

ref : The source of this png file is [CSS Grid Intro](#)

Grid Gaps

 / (gaps) .

- grid-column-gap
- grid-row-gap
- grid-gap

Example

grid-column-gap () .

```

<style>
  .grid-container {
    display: grid;
    grid-column-gap: 50px;
    grid-template-columns: auto auto auto;
    background-color: #2196F3;
    padding: 10px;
  }

  .grid-item {
    background-color: rgba(255, 255, 255, 0.8);
    border: 1px solid rgba(0, 0, 0, 0.8);
    padding: 20px;
    font-size: 30px;
    text-align: center;
  }
</style>
</head>
<body>

<h1>The grid-column-gap Property:</h1>

<div class="grid-container">
  <div class="grid-item">1</div>

```

```

<div class="grid-item">2</div>
<div class="grid-item">3</div>
<div class="grid-item">4</div>
<div class="grid-item">5</div>
<div class="grid-item">6</div>
<div class="grid-item">7</div>
<div class="grid-item">8</div>
<div class="grid-item">9</div>

</div>

<p>Use the <em>grid-column-gap</em> property to adjust the space between
the columns.</p>
</body>

```



Example

grid-row-gap (rows, 가) .

```

<style>
  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    background-color: #2196f3;
    padding: 10px;
    grid-row-gap: 50px;
  }

  .grid-item {
    background-color: rgba(255, 255, 255, 0.8);
    border: 1px solid rgba(0, 0, 0, 0.8);
    padding: 20px;
    font-size: 30px;
    text-align: center;
  }
</style>

</head>
<body>

  <h1>The grid-row-gap Property:</h1>

  <div class="grid-container">
    <div class="grid-item">1</div>
    <div class="grid-item">2</div>
    <div class="grid-item">3</div>
    <div class="grid-item">4</div>

```

```

<div class="grid-item">5</div>
<div class="grid-item">6</div>
<div class="grid-item">7</div>
<div class="grid-item">8</div>
<div class="grid-item">9</div>
</div>

```

<p>Use the grid-row-gap property to adjust the **space** between the rows.</p>
</body>



Example

grid-gap grid-row-gap grid-column-gap (shorthand property)

```

<style>
  .grid-container {
    display: grid;
    grid-gap: 50px 100px; /* rows and columns in order */
    grid-template-columns: auto auto auto;
    background-color: #2196F3;
    padding: 10px;
  }
  .grid-item {
    background-color: rgba(255, 255, 255, 0.8);
    border: 1px solid rgba(0, 0, 0, 0.8);
    padding: 20px;
    font-size: 30px;
    text-align: center;
  }
</style>
</head>
<body>

```

```
<h1>The grid-gap Property:</h1>
```

```

<div class="grid-container">
  <div class="grid-item">1</div>
  <div class="grid-item">2</div>
  <div class="grid-item">3</div>
  <div class="grid-item">4</div>
  <div class="grid-item">5</div>
  <div class="grid-item">6</div>
  <div class="grid-item">7</div>
  <div class="grid-item">8</div>
  <div class="grid-item">9</div>

```

```
</div>
```

Use the `grid-gap` property to adjust the **space** between the columns and the rows.

```
</body>
```



Example

grid-gap

:

```
<style>
  .grid-container {
    display: grid;
    grid-gap: 50px; /* one value for both rows and columns */
    grid-template-columns: auto auto auto;
    background-color: #2196F3;
    padding: 10px;
  }
  .grid-item {
    background-color: rgba(255, 255, 255, 0.8);
    border: 1px solid rgba(0, 0, 0, 0.8);
    padding: 20px;
    font-size: 30px;
    text-align: center;
  }
</style>
</head>
<body>

<h1>The grid-gap Property:</h1>

<div class="grid-container">
  <div class="grid-item">1</div>
  <div class="grid-item">2</div>
  <div class="grid-item">3</div>
  <div class="grid-item">4</div>
  <div class="grid-item">5</div>
  <div class="grid-item">6</div>
  <div class="grid-item">7</div>
  <div class="grid-item">8</div>
  <div class="grid-item">9</div>
</div>
```

Use the `grid-gap` property to adjust the **space** between the columns and the rows.


```
</body>
```



Grid Lines

(column lines)



Example

1 , 3 .

```
<style>
  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    grid-gap: 10px;
    background-color: #2196F3;
    padding: 10px;
  }

  .grid-container > div {
    background-color: rgba(255, 255, 255, 0.8);
    text-align: center;
    padding: 20px 0;
    font-size: 30px;
  }

  .item1 {
    grid-column-start: 1;
    grid-column-end: 3;
  }
</style>
</head>
<body>

  <h1>Grid Lines</h1>

  <div class="grid-container">
    <div class="item1">1</div>
    <div class="item2">2</div>
    <div class="item3">3</div>
```

```

<div class="item4">4</div>
<div class="item5">5</div>
<div class="item6">6</div>
<div class="item7">7</div>
<div class="item8">8</div>
</div>

<p>You can refer to line numbers when placing grid items.</p>

</body>

```



Example

1 , 3 .

```

<style>
  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    grid-gap: 10px;
    background-color: #2196F3;
    padding: 10px;
  }

  .grid-container > div {
    background-color: rgba(255, 255, 255, 0.8);
    text-align: center;
    padding: 20px 0;
    font-size: 30px;
  }

  .item1 {
    grid-row-start: 1;
    grid-row-end: 3;
  }
</style>
</head>
<body>

<h1>Grid Lines</h1>

<div class="grid-container">
  <div class="item1">1</div>
  <div class="item2">2</div>
  <div class="item3">3</div>
  <div class="item4">4</div>
  <div class="item5">5</div>

```

```

    <div class="item6">6</div>
    <div class="item7">7</div>
    <div class="item8">8</div>
  </div>

  <p>You can refer to line numbers when placing grid items.</p>
</body>

```



All CSS Grid Properties

Property	Description
column-gap	()
gap	
grid	grid-template-rows, grid-template-columns, grid-template-areas, grid-auto-rows, grid-auto-columns grid-auto-flow
grid-area	grid-row-start, grid-column-start, grid-row-end, grid-column-end
grid-auto-columns	
grid-auto-flow	
grid-auto-rows	
grid-column	grid-column-start grid-column-end
grid-column-end	
grid-column-gap	
grid-column-start	
grid-gap	grid-row-gap grid-column-gap
grid-row	grid-row-start grid-row-end
grid-row-end	
grid-row-gap	
grid-row-start	
grid-template	grid-template-rows, grid-template-columns grid-areas
grid-template-areas	
grid-template-columns	
grid-template-rows	
row-gap	

., [CSS](#), [Grid](#), [Layout](#), [Module](#)

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