



# 61. CSS Grid

Reja:

▼ CSS Grid



**CSS Grid** - to'rga (сетка) asoslangan layout bo'lib, float yoki position xossalari yordamisiz qatorlar va ustunlar yordamida veb sahifada layout yaratishda yordam beradi. Boshqacha qilib aytganda, veb sahifadagi elementlarni joylashtirish uchun xizmat qiladi. CSS Grid 2 asosiy elementlardan tashkil topgan: **grid container** va **grid item**.

## Grid container



Grid **container** - display xossasi uchun **grid** yoki **inline-grid** qiymatiga ega bo'lgan elementga aytiladi

## Grid container



```
<style>
body {
```

```

    font-family: sans-serif;
  }

  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    padding: 20px;
    background-color: #025955;
    border-radius: 10px;
  }

  .grid-item {
    padding: 20px;
    background-color: #FDE8CD;
    font-weight: bold;
    margin: 10px;
    border-radius: 10px;
  }
</style>

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

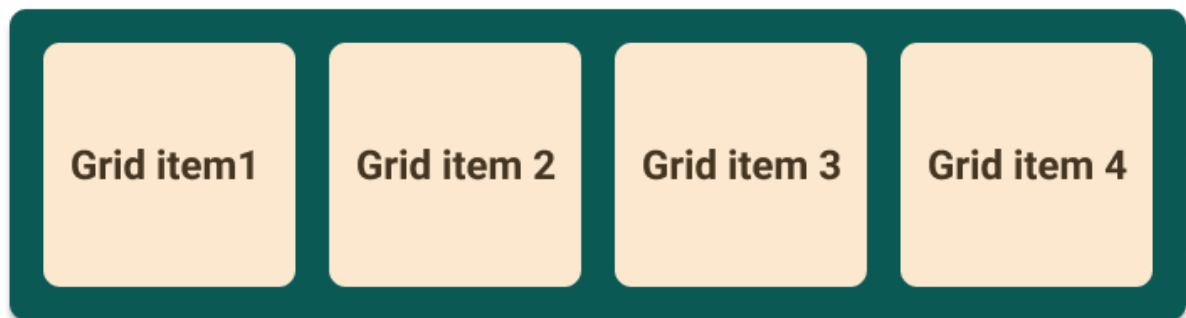
```

## Grid item



**Grid items** - veb sahifamizdagi grid container ota-onaga ega bo'lgan elementlar

## Grid container



```

<style>
  body {
    font-family: sans-serif;
  }

  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    padding: 20px;
    background-color: #025955;
    border-radius: 10px;
  }

  .grid-item {
    padding: 20px;
    background-color: #FDE8CD;
    font-weight: bold;
    margin: 10px;
    border-radius: 10px;
  }
</style>

-----
<div class="grid-container">
  <div class="grid-item">
    Grid item 1
    <div class="item">Grid item emas</div>
  </div>
  <div class="grid-item">Grid item 2</div>
  <div class="grid-item">Grid item 3</div>
  <div class="grid-item">Grid item 4</div>
  <div class="grid-item">Grid item 5</div>
  <div class="grid-item">Grid item 6</div>
</div>

```

## ▼ Grid container



"Grid container"ning ikki asosiy xossasi mavjud: **grid-template-columns** va **grid-template-rows**

## ▼ Grid template columns



**Grid template columns** - container ichidagi ustunlar soni va uni uzunligini belgilashda ishlatiladi

```
<style>
  body {
    font-family: sans-serif;
  }

  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    padding: 20px;
    background-color: #025955;
    border-radius: 10px;
  }

  .grid-item {
    padding: 20px;
    background-color: #FDE8CD;
    font-weight: bold;
    margin: 10px;
    border-radius: 10px;
  }
</style>

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

## ▼ Grid template rows



**Grid template rows** - container ichidagi qatorlar balandligini belgilashda ishlatiladi

```
<style>
  body {
    font-family: sans-serif;
```

```

}

.grid-container {
  display: grid;
  grid-template-columns: auto auto auto;
  grid-template-rows: 50px 100px;
  padding: 20px;
  background-color: #025955;
  border-radius: 10px;
}

.grid-item {
  padding: 20px;
  background-color: #FDE8CD;
  font-weight: bold;
  margin: 10px;
  border-radius: 10px;
}
</style>

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

```

## ▼ Grid item



"Grid item"ga tegishli xossalar yordamida elementni bir necha ustun va qatorlarni egallashini ko'rsatib o'tishimiz mumkin. Uning asosiy ikki xossasi mavjud: **grid-column** va **grid-row**

## ▼ Grid column



**Grid column** - element nechta ustunni o'z ichiga olishini belgilab beradi

```

<style>
  body {

```

```

    font-family: sans-serif;
  }

  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;
    padding: 20px;
    background-color: #025955;
    border-radius: 10px;
  }

  .grid-item {
    padding: 20px;
    background-color: #FDE8CD;
    font-weight: bold;
    margin: 10px;
    border-radius: 10px;
  }

  .item-1 {
    grid-column: 1 / 3;
  }
</style>

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

```

## ▼ Grid row



**Grid row** - element nechta qatorni o'z ichiga olishini belgilab beradi

```

<style>
  body {
    font-family: sans-serif;
  }

  .grid-container {
    display: grid;
    grid-template-columns: auto auto auto;

```

```
padding: 20px;
background-color: #025955;
border-radius: 10px;
}

.grid-item {
padding: 20px;
background-color: #FDE8CD;
font-weight: bold;
margin: 10px;
border-radius: 10px;
}

.item-1 {
grid-row: 1 / 3;
}
</style>

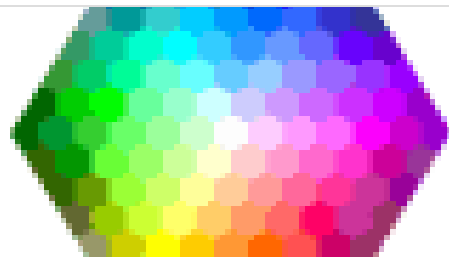
-----
<div class="grid-container">
  <div class="grid-item item-1">Grid item 1</div>
  <div class="grid-item">Grid item 2</div>
  <div class="grid-item">Grid item 3</div>
  <div class="grid-item">Grid item 4</div>
  <div class="grid-item">Grid item 5</div>
  <div class="grid-item">Grid item 6</div>
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

## ▼ Qo'shimcha resurslar

### CSS Grid Layout

Try it Yourself " The CSS Grid Layout Module offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats

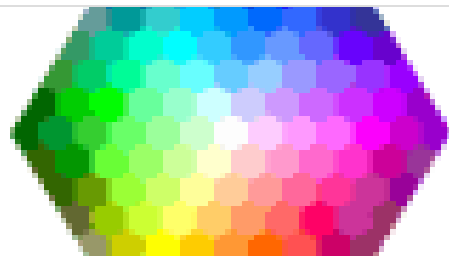
[w3 https://www.w3schools.com/css/css\\_grid.asp](https://www.w3schools.com/css/css_grid.asp)



### CSS Grid Container

Try it Yourself " To make an HTML element behave as a grid container, you have to set the display property to grid or inline-grid. Grid containers consist of grid items, placed

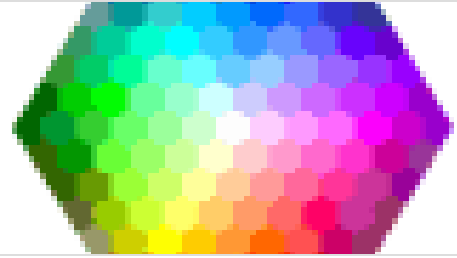
[w3 https://www.w3schools.com/css/css\\_grid\\_container.asp](https://www.w3schools.com/css/css_grid_container.asp)



## CSS Grid Item


Try it Yourself " A grid container contains grid items. By default, a container has one grid item for each column, in each row, but you can style the grid items so that they will

 [https://www.w3schools.com/css/css\\_grid\\_item.asp](https://www.w3schools.com/css/css_grid_item.asp)



## A Complete Guide to Grid | CSS-Tricks

CSS Grid Layout is the most powerful layout system available in CSS. It is a 2-dimensional system, meaning it can handle both columns and rows, unlike flexbox which is

 <https://css-tricks.com/snippets/css/complete-guide-grid/>

