## Grid

Несмиянов Артем

# Грид

grid = сетка

Даёт возможность располагать элементы по сетке!

display: grid

### <u>грид-контейнер</u> (grid-container) <u>грид-элемент</u> (grid-item)

линия (grid-line)

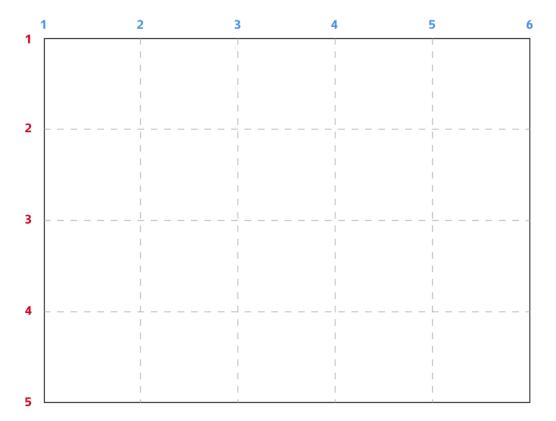
ячейка (grid-cell)

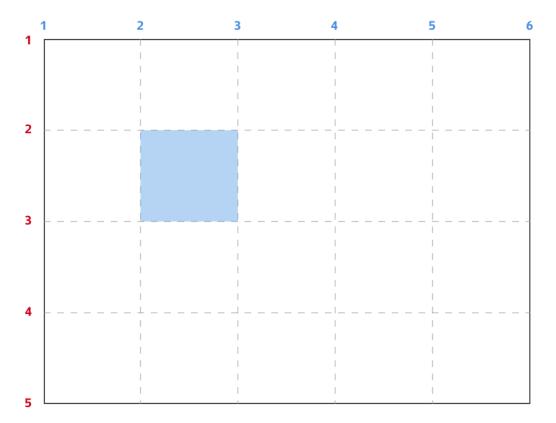
область (grid-area)

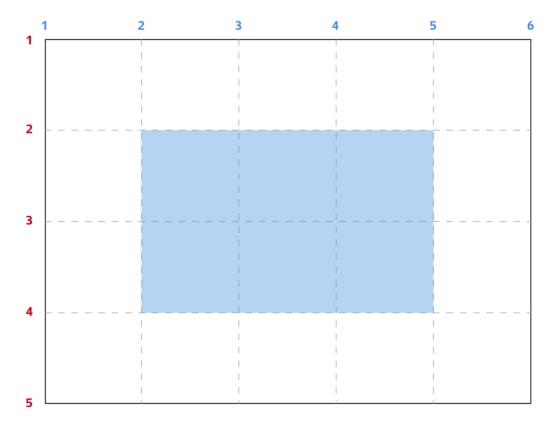
дорожка (grid-track)

интервал (grid-gap)

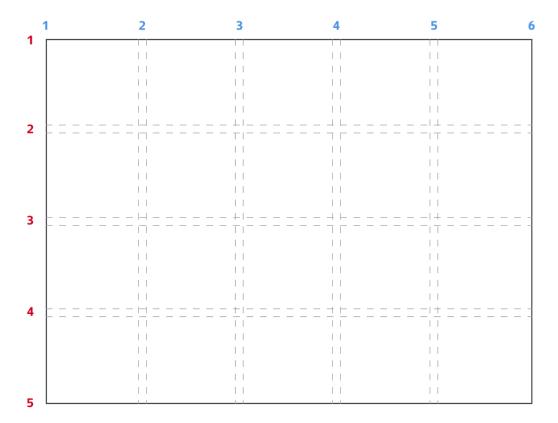
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Чтобы наполнить сетку колонками и рядами существуют свойства grid-template-columns и grid-template-rows.

```
.container
   display: grid;
   grid-template-columns: 100px auto 100px; /* ширины столбцов */
   grid-template-rows: 100px 100px; /* высоты рядов */
```

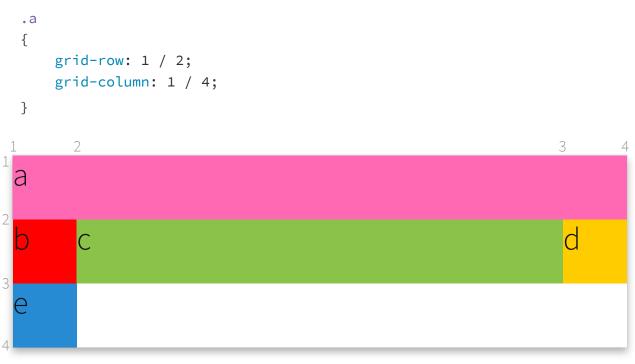
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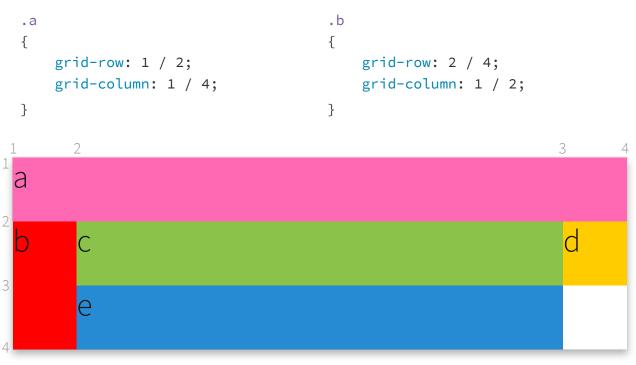
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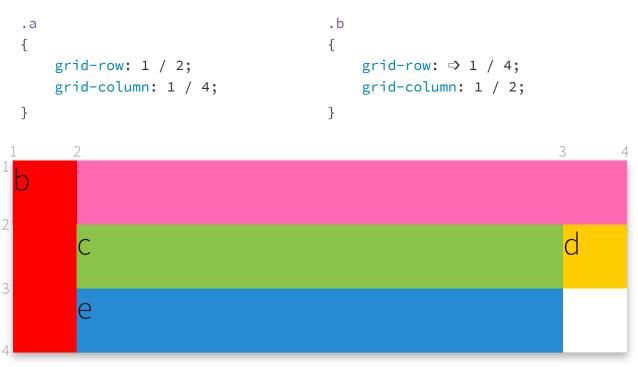
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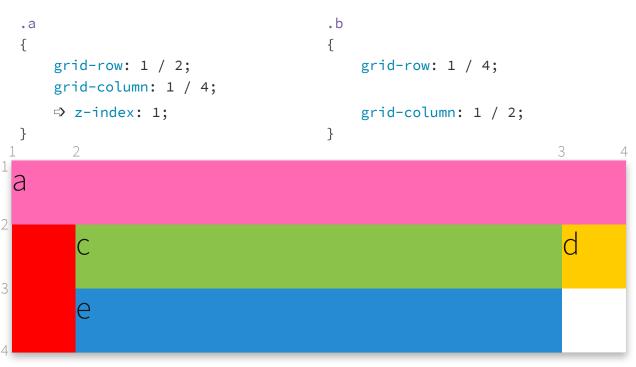
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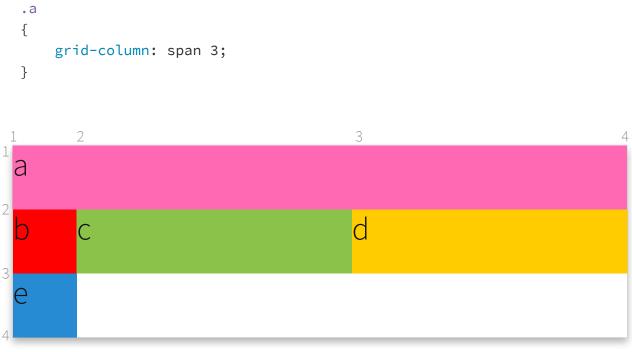


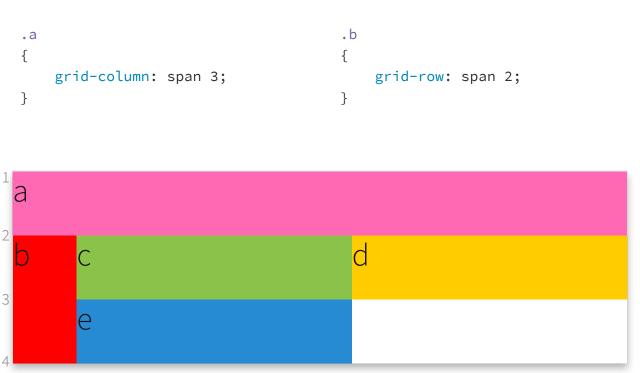


Размер дорожки можно указывать в fr – долях свободного места.

Свободное место вычисляется после расположения всех элементов фиксированных размеров.

```
.container
   display: grid;
   grid-template-columns: 100px 1fr 1fr;
   grid-template-rows: 100px 100px;
```





В контейнере можно создавать именованные области с помощью свойства grid-template-areas.

Поместить элемент в область можно свойством grid-area.

b a

```
.container {
                                              .a {
   display: grid;
                                                  grid-area: grass;
   grid-template-columns: 1fr 1fr;
   grid-template-rows: 100px 100px 100px;
                                              .b {
   grid-template-areas: 'sand water'
                                                  grid-area: sand;
                         'sand water'
                         '. grass';
                                              .c {
                                                 grid-area: water;
```

#### Короче!

#### Свойство grid-template:

Используя свойство grid-gap, можно управлять размером интервалов между линиями.

Интервал только между рядами — grid-row-gap, только между столбцами — grid-column-gap.

```
.container
   grid-column-gap: 1%;
   grid-row-gap: 16px;
```

Header 1440 px 1328 px 656 px 432 px 320 px 208 px

#### Писать руками?

```
.container
{
    grid-template-columns: 1fr 1fr 1fr 1fr 1fr 1fr 1fr 1fr...;
}
```

#### HET. Есть функция repeat()

```
.container
{
    grid-template-columns: repeat(12, 1fr);
}
```

#### caniuse.com/#feat=css-grid

Enabled in Firefox through the layout.css.grid.enabled flag
 There are some bugs with overflow (1356820, 1348857, 1350925)



#### Полезные ссылки

- 1. Grid Explained In 7 Minutes
- 2. Гайд по гриду
- 3. Grid By Example
- 4. Игра для изучения грида