CSS Flexbox - Flex Items

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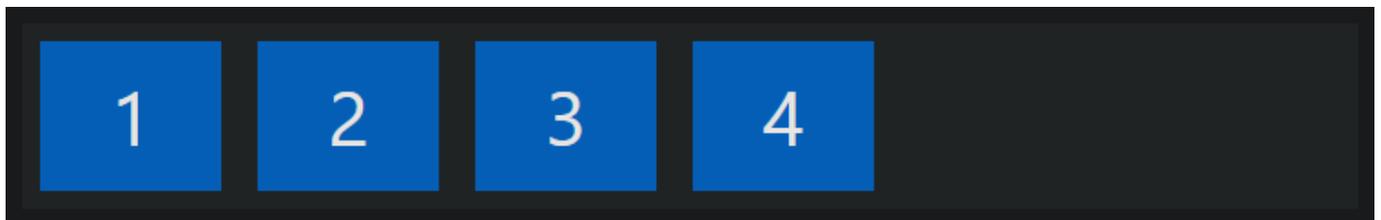
The source of this article

CSS Flexbox - Flex Items

Child Elements (Items)

flex container   flexible (flex) items   .

flex container   4   flex items   .

```
<style>
  .flex-container {
    display: flex;
    background-color: #f1f1f1;
  }

  .flex-container > div {
    background-color: Dodgerblue;
    color: #fff;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
```

```
</style>
</head>
<body>

  <h1>Flexible Items</h1>

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

  <p>All direct children of a flexible container becomes flexible items.</p>
</body>
</html>
```

flex item   .

- order
- flex-grow
- flex-shrink
- flex-basis
- flex
- align-self

The order Property

order   flex items   .

              flex item   .
order   ,   O   .

Example

/order/   flex items   .

```
  <style>
    .flex-container {
```

```
    display: flex;
    align-items: stretch;
    background-color: #f1f1f1;
  }

  .flex-container>div {
    background-color: Dodgerblue;
    color: white;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
  </style>
</head>

<body>

  <h1>The order Property</h1>

  <p>Use the order property to sort the flex items as you like:</p>

  <div class="flex-container">
    <div style="order: 3">1</div> <!-- 1                -->
    <div style="order: 2">2</div> <!-- 2                -->
    <div style="order: 4">3</div> <!-- 3                -->
    <div style="order: 1">4</div> <!-- 4                -->
  </div>

</body>
```
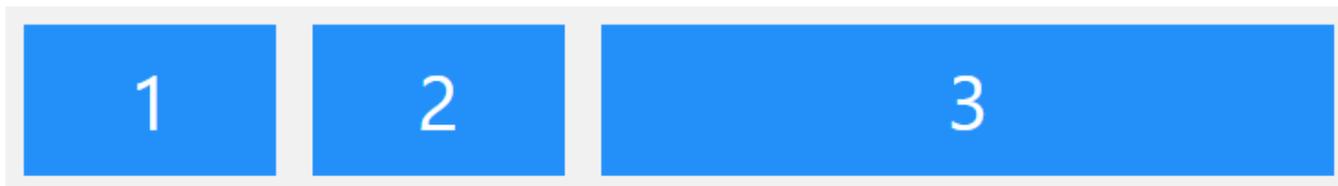
The flex-grow Property

flex-grow   flex item   flex items
           .

           ,   O   .

```
  <style>
    .flex-container {
      display: flex;
      align-items: stretch;
```

```
      background-color: #f1f1f1;
    }

    .flex-container>div {
      background-color: dodgerblue;
      color: white;
      margin: 10px;
      /*                              . */
      text-align: center;
      line-height: 75px;
      font-size: 30px;
    }
  </style>

</head>

<body>
  <h1>The flex-grow Property</h1>

  <p>Make the third flex item grow eight times faster than the other flex
items:</p>

  <div class="flex-container">
    <div style="flex-grow: 1">1</div>
    <div style="flex-grow: 1">2</div>
    <div style="flex-grow: 8">3</div>
    <!-- 3                          1 , 2           8
     . -->
  </div>
</body>
```

The flex-shrink Property

flex-shrink   flex item   flex item
                  .

                    ,   1   .

Example

flex item   flex items

```
  <style>
    .flex-container {
      display: flex;
      align-items: stretch;
      background-color: #f1f1f1;
    }

    .flex-container>div {
      background-color: dodgerblue;
      color: white;
      width: 100px;
      margin: 10px;
      text-align: center;
      line-height: 75px;
      font-size: 30px;
    }
  </style>
</head>

<body>
  <h1>The flex-shrink Property</h1>

  <p>Do not let the third flex item shrink as much as the other flex
items:</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div style="flex-shrink: 0">3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
  </div>
</body>
```
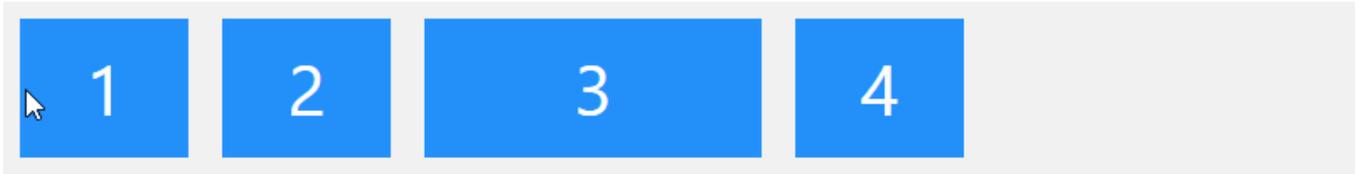
The flex-basis Property

flex-basis   flex item   .

Example

flex item   200px   .

```
<style>
  .flex-container {
    display: flex;
    align-items: stretch;
    background-color: #f1f1f1;
  }

  .flex-container>div {
    background-color: dodgerblue;
    color: #fff;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>
  <h1>The flex-basis Property</h1>

  <p>Set the initial length of the third flex item to 200 pixels:</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div style="flex-basis: 200px">3</div>
    <div>4</div>
  </div>
</body>
```

The flex Property

flex   flex-grow, flex-shrink,   flex-basis   .

Example

flex item , , 200pixel
.

```
  <style>
    .flex-container {
      display: flex;
      align-items: stretch;
      background-color: #f1f1f1;
    }

    .flex-container>div {
      background-color: dodgerblue;
      color: #fff;
      width: 100px;
      margin: 10px;
      text-align: center;
      line-height: 75px;
      font-size: 30px;
    }
  </style>
</head>

<body>
  <h1>The flex Property</h1>

  <p>
    Make the third flex item not growable (0), not shrinkable (0), and with
an initial length 0f 200 pixels:
  </p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div style="flex: 0 0 200px">3</div>
    <div>4</div>
  </div>
</body>
```
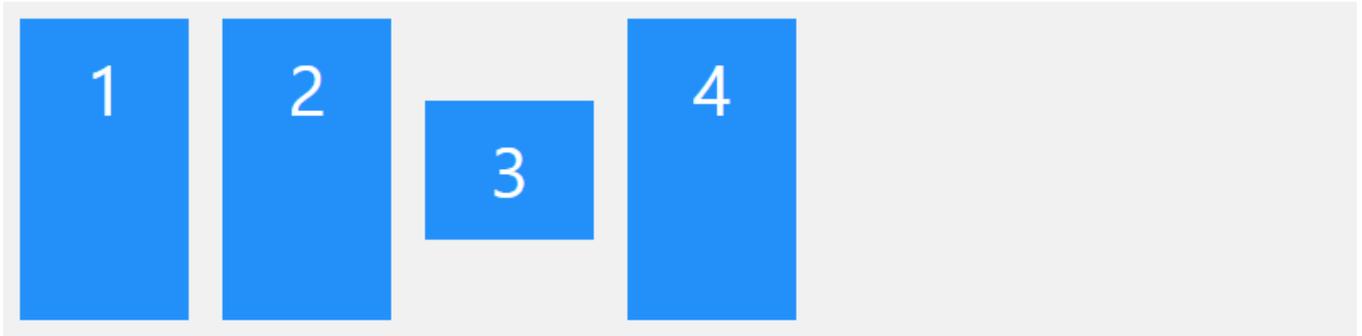
The align-self Property

align-self
.

align-self   align-items
            .

2   200   align-self
.

Example

.

```
<style>
  .flex-container {
    display: flex;
    height: 200px;
    background-color: #f1f1f1;
  }

  .flex-container>div {
    background-color: dodgerblue;
    color: #fff;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>

  <h1>The align-self Property</h1>

  <p>The "align-self: center;" aligns the selected flex item in the middle
of the container:</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div style="align-self: center">3</div>
```
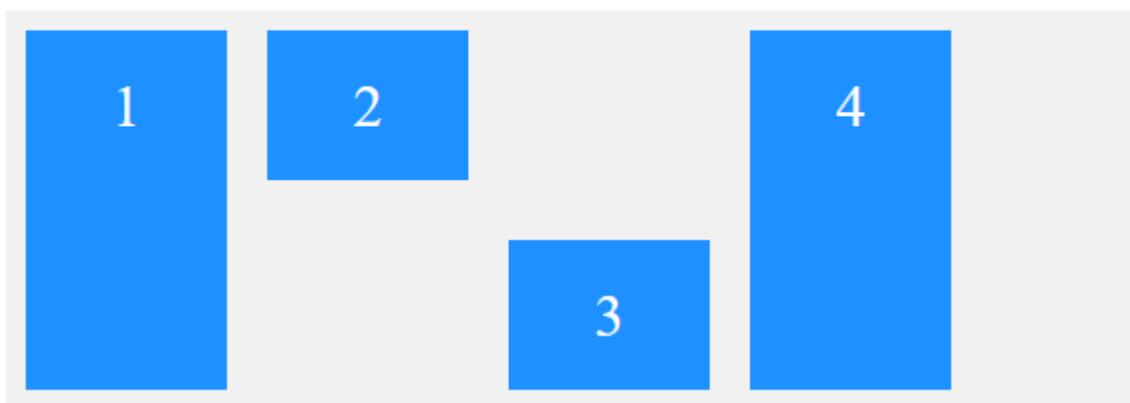
```
      <div>4</div>
    </div>
</body>
```

Example

The align-self Property

The "align-self: flex-start;" aligns the selected flex item at the top of the container.

The "align-self: flex-end;" aligns the selected flex item at the bottom of the container.

The align-self property overrides the align-items property of the container.

```
  <style>
    .flex-container {
      display: flex;
      height: 200px;
      background-color: #f1f1f1;
    }

    .flex-container>div {
      background-color: dodgerblue;
      color: #fff;
      width: 100px;
      margin: 10px;
      text-align: center;
      line-height: 75px;
      font-size: 30px;
    }
  </style>
</head>

<body>
```

```
   <h1>The align-self Property</h1>

   <p>The "align-self: flex-start;" aligns the selected flex item at the top
of the container.</p>
   <p>The "align-self: flex-end;"aligns the selected flex item at the bottom
of the container.</p>

   <div class="flex-container">
     <div>1</div>
     <div style="align-self: flex-start">2</div>
     <div style="align-self: flex-end">3</div>
     <div>4</div>
   </div>

   <p>The align-self property overrides the align-items property of the
container.</p>
</body>
```

The CSS Flexbox Items Properties

CSS Flexbox   .

Property	Description
align-self	(align-items) .
flex	flex-grow, flex-shrink flex-basis
flex-basis	.
flex-grow	.
flex-shrink	.
order	.

 ,, CSS, Flexbox, Flex, items