

CSS Flex Container

- description : CSS Flex Container
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====The source of this article==== [CSS Flex Container](#)

Parent Element (Container)

3 가 (blue)



display flex

Example

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Flex Container</title>
    <style>
        .flex-container {
            /* parent element */
            background-color: dodgerblue;
            display: flex;
        }
        .flex-container>div {
            /* direct child elements of the flexible container = flexible
items */
            background-color: #f1f1f1;
            margin: 10px;
            padding: 20px;
            font-size: 30px;
        }
    </style>

```

```
</style>
</head>
<body>
  <!-- .flex-container>div*3 -->
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
  <p>A Flexible Layout must have a parent element with the
<em>display</em>
  property set to <em>flex</em>.</p>
  <p>Direct child element(s) of the flexible container automatically
  becomes
  flexible items.</p>
</body>
</html>
```

:

- flex-direction
- flex-wrap
- flex-flow
- justify-content
- align-items
- align-content

The flex-direction Property

flex-direction 가 .



Example

column () .

```
<style>
  .flex-container {
    display: flex;
    flex-direction: column;
    background-color: dodgerblue;
  }
```

```

        .flex-container > div {
            background-color: #f1f1f1;
            width: 100px;
            margin: 10px;
            text-align: center;
            line-height: 75px;
            font-size: 30px;
        }
    </style>
</head>
<body>

    <h1>The flex-direction Property</h1>

    <p>The "flex-direction: column;" stacks the flex items
    vertically (from top to bottom):</p>

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

</body>

```

Example

column-reverse

()

.



```

<style>
    .flex-container {
        display: flex;
        flex-direction: column-reverse;
        background-color: dodgerblue;
    }

    .flex-container>div {
        background-color: #f1f1f1;
        width: 100px;
        margin: 10px;
        text-align: center;
        line-height: 75px;
        font-size: 30px;
    }
</style>
</head>

<body>

```

```
<h1>The flex-direction Property</h1>
<p>
  The "flex-direction: column-reverse;" stacks
  the flex items vertically (but from bottom to top):
</p>
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
</div>
</body>
```

Example

row () .



```
<style>
  .flex-container {
    display: flex;
    flex-direction: row;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>
  <h1>The flex-direction Property</h1>
  <p>The "flex-direction: row;" stacks the flex items horizontally
    (from left to right):</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
</body>
```

Example

row-reverse

가



```
<style>
  .flex-container {
    display: flex;
    flex-direction: row-reverse;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>

<body>
  <h1>The flex-direction Property</h1>
  <p>The "flex-direction: row-reverse;" stacks the flex items horizontally
  (from right to top):</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>
</body>
```

The flex-wrap Property

flex-wrap

wrap

.

12

, flex-wrap



```
<style>
  .flex-container {
    display: flex;
    flex-wrap: wrap;
    background-color: dodgerblue;
  }
```

```

    }

    .flex-container>div {
        background-color: #f1f1f1;
        width: 100px;
        margin: 10px;
        text-align: center;
        line-height: 75px;
        font-size: 30px;
    }
</style>
</head>

<body>
    <h1>The flex-wrap Property</h1>
    <p>The "flex-wrap: wrap;" specifies that the flex items will wrap if
necessary:</p>
    <div class="flex-container">
        <div>1</div>
        <div>2</div>
        <div>3</div>
        <div>4</div>
        <div>5</div>
        <div>6</div>
        <div>7</div>
        <div>8</div>
        <div>9</div>
        <div>10</div>
        <div>11</div>
        <div>12</div>
    </div>

</body>

```

Example

flex-wrap: nowrap



wrap

.(.)

```

<style>
    .flex-container {
        display: flex;
        flex-wrap: nowrap;
        background-color: dodgerblue;
    }

    .flex-container>div {
        background-color: #f1f1f1;

```

```

    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>
  <h1>The flex-wrap Property</h1>
  <p>The "flex-wrap: nowrap;" specifies that the flex items will not wrap
  (this is default):</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>
</body>

```

Example

flex-wrap: wrap-reverse

wrap



```

<style>
  .flex-container {
    display: flex;
    flex-wrap: wrap-reverse;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
  }

```

```
    font-size: 30px;
  }
</style>
</head>
<body>

<h1>The flex-wrap Property</h1>
<p>The "flex-wrap: wrap-reverse;" specifies that the flex items will wrap
  if necessary, in reverse order:</p>
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
  <div>5</div>
  <div>6</div>
  <div>7</div>
  <div>8</div>
  <div>9</div>
  <div>10</div>
  <div>11</div>
  <div>12</div>
</div>

</body>
```

The flex-flow Property

flex-flow flex-direction flex-wrap 2가



Example

```
<style>
  .flex-container {
    display: flex;
    flex-flow: row wrap;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
  }
</style>
```

```

    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

<h1>The flex-flow Property</h1>
<p>The flex-flow property is a shorthand property for the flex-direction
    and the flex-wrap properties.</p>
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
  <div>5</div>
  <div>6</div>
  <div>7</div>
  <div>8</div>
  <div>9</div>
  <div>10</div>
  <div>11</div>
  <div>12</div>
</div>

</body>

```

The justify-content Property

justify-content



Example

center

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

```

</html>

,

—

,

```

        margin: 10px;
        text-align: center;
        line-height: 75px;
        font-size: 30px;
    }
</style>
</head>
<body>

    <h1>The justify-content Property</h1>

    <p>The "justify-content: flex-start;" aligns the flex items
        at the beginning of the container(this is default):</p>
    <div class="flex-container">
        <div>1</div>
        <div>2</div>
        <div>3</div>
    </div>

</body>

```

Example

flex-end



```

<style>
    .flex-container {
        display: flex;
        justify-content: flex-end;
        background-color: dodgerblue;
    }

    .flex-container>div {
        background-color: #f1f1f1;
        width: 100px;
        margin: 10px;
        text-align: center;
        line-height: 75px;
        font-size: 30px;
    }
</style>
</head>
<body>
    <h1>The justify-content Property</h1>

    <p>The "justify-content: flex-end;" aligns the flex items
        at the end of the container:</p>
    <div class="flex-container">

```

```
<div>1</div>
<div>2</div>
<div>3</div>
</div>
```

```
</body>
```

Example

space-around



```
<style>
  .flex-container {
    display: flex;
    justify-content: space-around;
    background-color: dodgerblue;
  }
```

```
  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>The justify-content Property</h1>
```

```
<p>The "justify-content: space-around;" displays the flex items
  with space before, between and after the lines:</p>
```

```
<div class="flex-container">
```

```
  <div>1</div>
```

```
  <div>2</div>
```

```
  <div>3</div>
```

```
</div>
```

```
</body>
```

Example

space-between



```

<style>
  .flex-container {
    display: flex;
    justify-content: space-between;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>
  <h1>The justify-content Property</h1>

  <p>The "justify-content: space-between;" displays the flex items
    with space between the lines:</p>
  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
  </div>

</body>

```

The align-items Property

align-items



200px

align-items

Example

center

```

<style>
  .flex-container {
    display: flex;
    height: 200px;

```

```

    align-items: center;
    background-color: dodgerblue;
}

.flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
}
</style>
</head><body>
<h1>The align-items Property</h1>

<p>The "align-items: center;" aligns the flex items
    in the middle of the container:</p>
<div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
</div>

</body>

```

Example

flex-start



```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Flex Direction Property</title>
    <style>
        .flex-container {
            display: flex;
            height: 200px;
            align-items: flex-start;
            background-color: dodgerblue;
        }

        .flex-container > div {

```

```
        background-color: #f1f1f1;
        width: 100px;
        margin: 10px;
        text-align: center;
        line-height: 75px;
        font-size: 30px;
    }
</style>
</head>
<body>

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

    <p>The "align-items: flex-start;" aligns the flex items
        at the top of the container:</p>
    <div class="flex-container">
        <div>1</div>
        <div>2</div>
        <div>3</div>
    </div>

</body>
</html>
```

Example

flex-end

```
<style>
    .flex-container {
        display: flex;
        height: 200px;
        align-items: flex-end;
        background-color: dodgerblue;
    }

    .flex-container>div {
        background-color: #f1f1f1;
        width: 100px;
        margin: 10px;
        text-align: center;
        line-height: 75px;
        font-size: 30px;
    }
</style>
</head>
<body>

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

```
<p>The "align-items: flex-end;" aligns the flex items  
  at the bottom of the container:</p>  
<div class="flex-container">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
</div>  
  
</body>
```

Example

stretch

.():



```
<style>  
  .flex-container {  
    display: flex;  
    height: 200px;  
    align-items: stretch;  
    background-color: dodgerblue;  
  }  
  
  .flex-container>div {  
    background-color: #f1f1f1;  
    width: 100px;  
    margin: 10px;  
    text-align: center;  
    line-height: 75px;  
    font-size: 30px;  
  }  
</style>  
</head>  
<body>  
  <h1>The align-items Property</h1>  
  
  <p>The "align-items: stretch;" stretches the flex items  
  to fill the container (this is default):</p>  
  <div class="flex-container">  
    <div>1</div>  
    <div>2</div>  
    <div>3</div>  
  </div>  
  
</body>
```

Example

baseline



```
<style>
  .flex-container {
    display: flex;
    height: 200px;
    align-items: baseline;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

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

  <p>The "align-items: baseline;" aligns the flex items
    such as their baselines aligns:</p>
  <div class="flex-container">
    <div><h1>1</h1></div>
    <div><h6>2</h6></div>
    <div><h3>3</h3></div>
    <div><small>4</small></div>
  </div>

</body>
```

The align-content Property

align-content



content flex-wrap wrap 600px , align-

Example

space-between



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: space-between;
    background-color: dodgerblue;
  }

  .flex-container>div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

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

  <p>The "align-content: space-between;" displays the flex lines
    with equal space between them:</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>

</body>
```

Example

space-around



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: space-around;
    background-color: dodgerblue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

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

  <p>The "align-content: space-around;" displays the flex lines
    with space before, between and after them:</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>

</body>
```

Example

space-stretch

.()



```
<style>
  .flex-container {
    display: flex;
    height: 600px;
    flex-wrap: wrap;
    align-content: stretch;
    background-color: dodgerblue;
  }

  .flex-container > div {
    background-color: #f1f1f1;
    width: 100px;
    margin: 10px;
    text-align: center;
    line-height: 75px;
    font-size: 30px;
  }
</style>
</head>
<body>

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

  <p>The "align-content: stretch;" stretches the flex lines
    to take up the remaining space (this is default):</p>

  <div class="flex-container">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>

</body>
```

align-content: center

center

```
.flex-container {  
  display: flex;  
  height: 600px;  
  flex-wrap: wrap;  
  align-content: center;  
}
```

align-content: flex-start

flex-start

```
.flex-container {  
  display: flex;  
  height: 600px;  
  flex-wrap: wrap;  
  align-content: flex-start;  
}
```

align-content: flex-end

flex-start

```
.flex-container {  
  display: flex;  
  height: 600px;  
  flex-wrap: wrap;  
  align-content: flex-end;  
}
```

Perfect Centering

SOLUTION: justify-content align-items center ,

```
.flex-container {  
  display: flex;
```

```
height: 300px;
justify-content: center;
align-items: center;
}
```

All CSS Flexbox Container Properties

Property	Description
align-center	flex-wrap . align-items
align-items	
display	HTML
flex-direction	
flex-flow	flex-direction flex-wrap
flex-wrap	float ,
justify-content	가 ,

., CSS, Flex, Container

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