CSS Flexbox

Introduktion

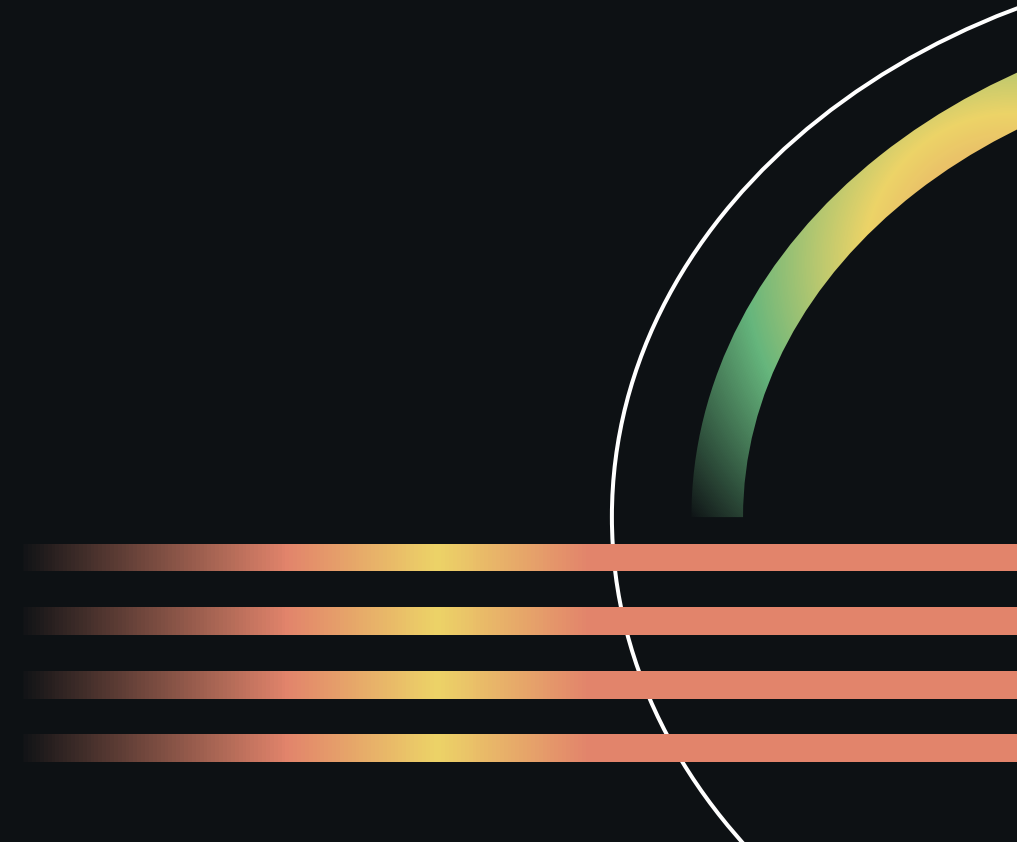# Vad är CSS flexbox?

En layout metod i CSS som applicerar ordning, riktning och positionering på element.

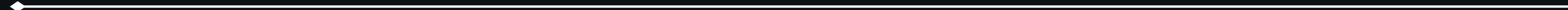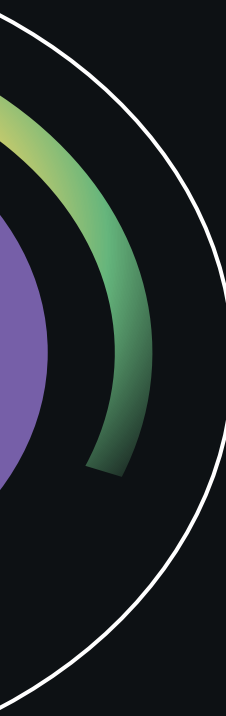Bra länk:
https://css-tricks.com/snippets/css/a-guide-to-flexbox/

display: flex

Kom igång med flex genom att sätta display: flex på ett element.

```css
.container {
    display: flex;
}
```

Flex direction

```html
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>
```

```css
.container {
    display: flex;
    flex-direction: row;
}
```
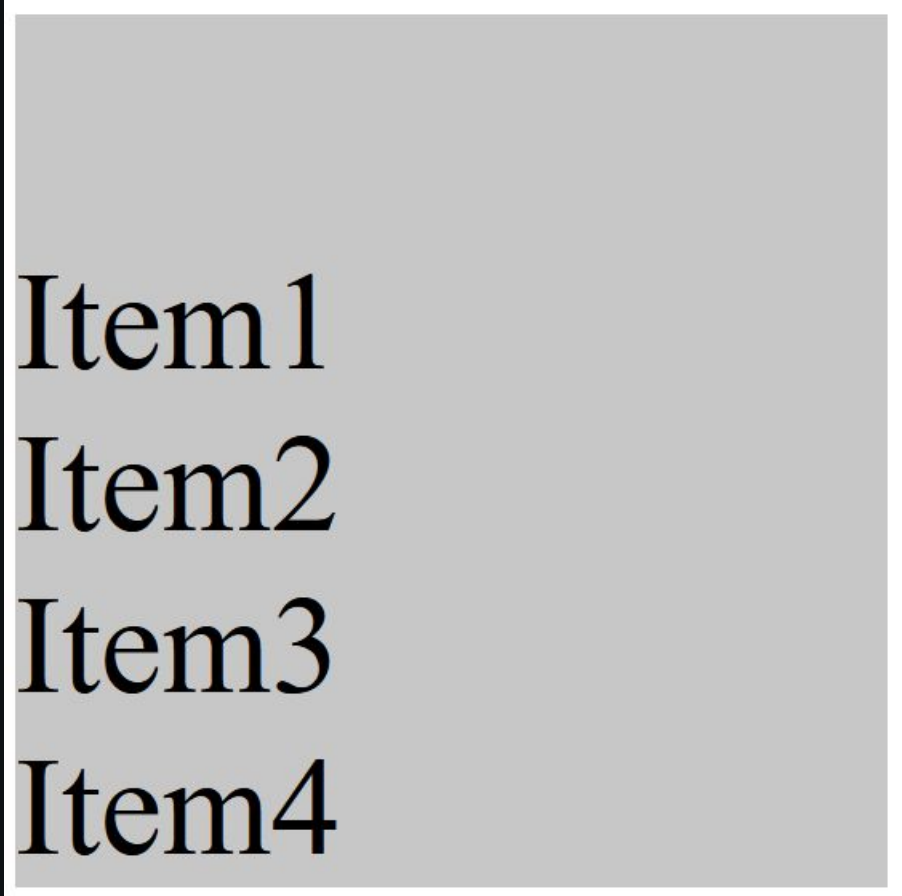
Item1Item2Item3Item4

```css
.container {
    display: flex;
    flex-direction: column;
}
```

Item1
Item2
Item3
Item4

Justify Content

```html
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>

.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    flex-direction: column;
    justify-content: flex-end;
    height: 100px;
    width: 100px;
}
```

Item1
Item2
Item3
Item4

Justify Content (center)

```html
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>

.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    flex-direction: column;
    justify-content: center;
    height: 100px;
    width: 100px;
}
```

Item1
Item2
Item3
Item4

Align Items
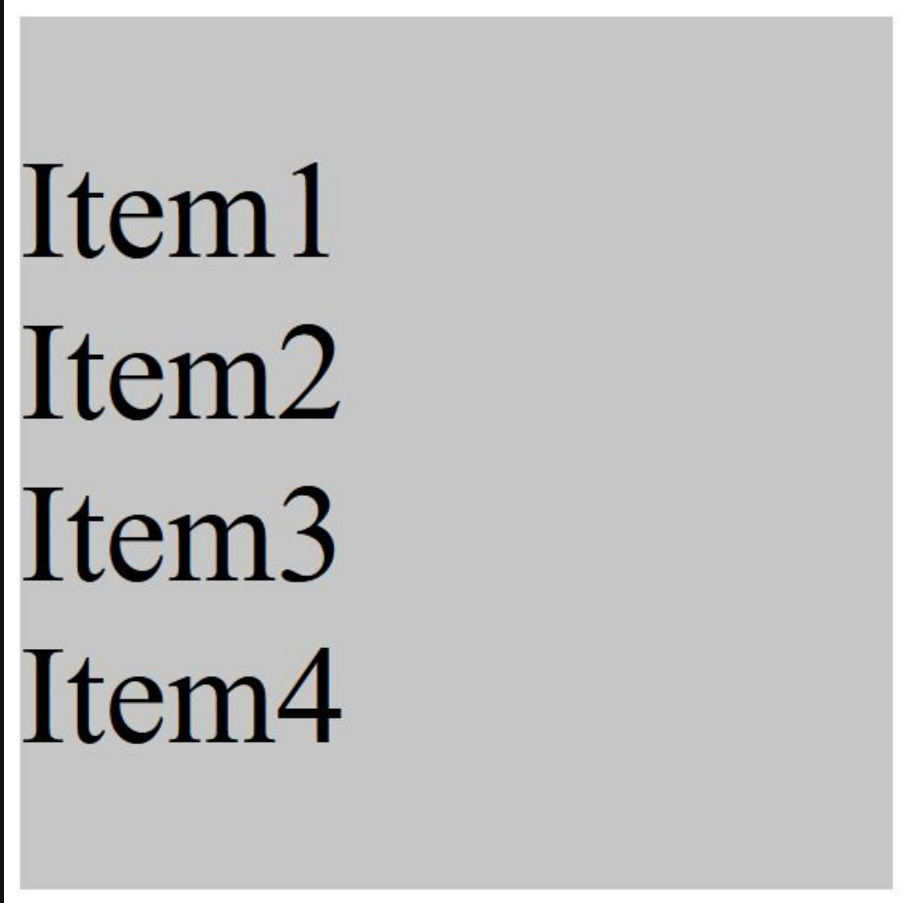
```
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>

.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    flex-direction: column;
    align-items: flex-end;
    height: 100px;
    width: 100px;
}
```

Item1

Item2

Item3

Item4

Align Items (center)

```
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>

.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    flex-direction: column;
    align-items: center;
    height: 100px;
    width: 100px;
}
```
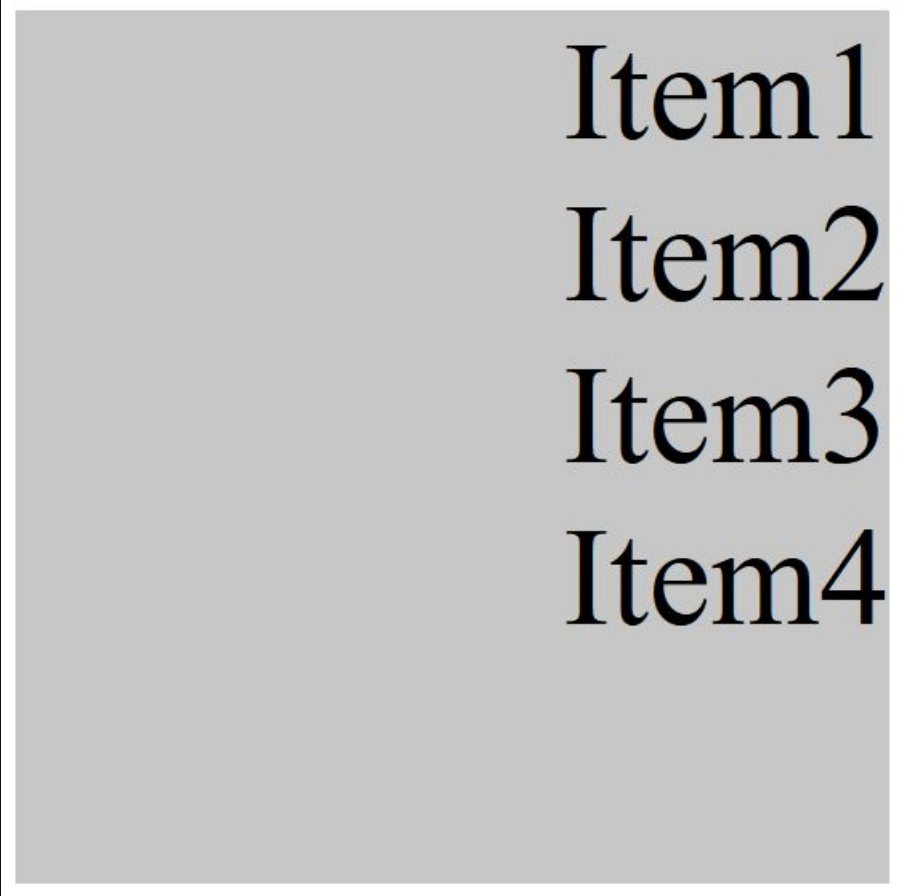
Item1
Item2
Item3
Item4

Centrera element helt
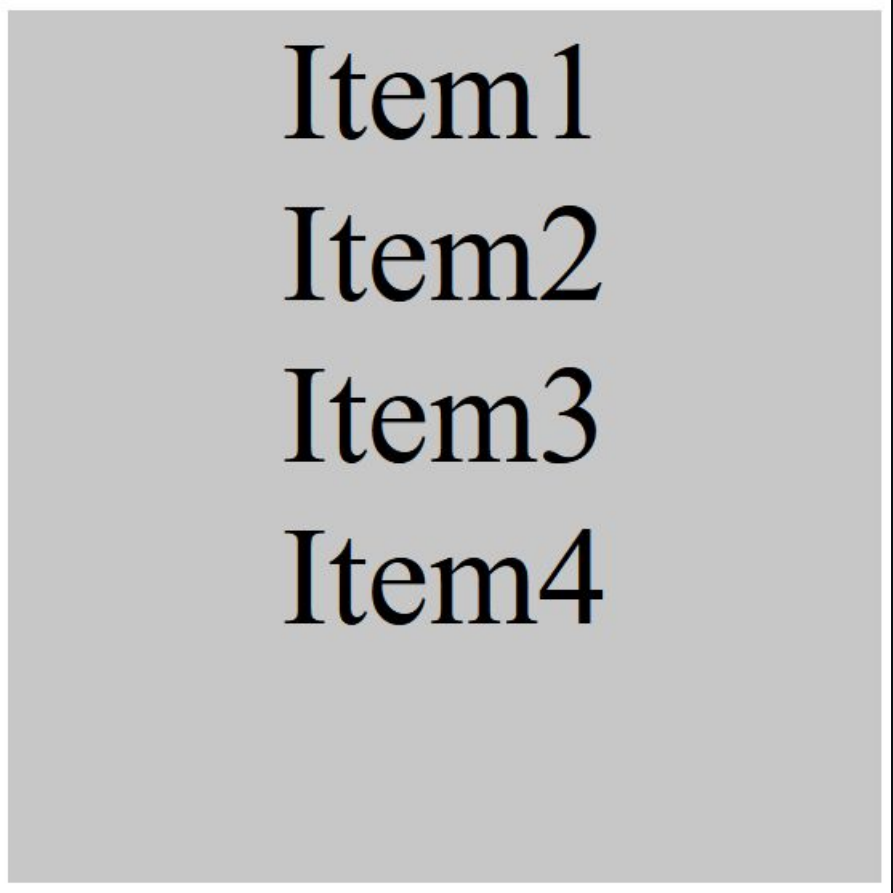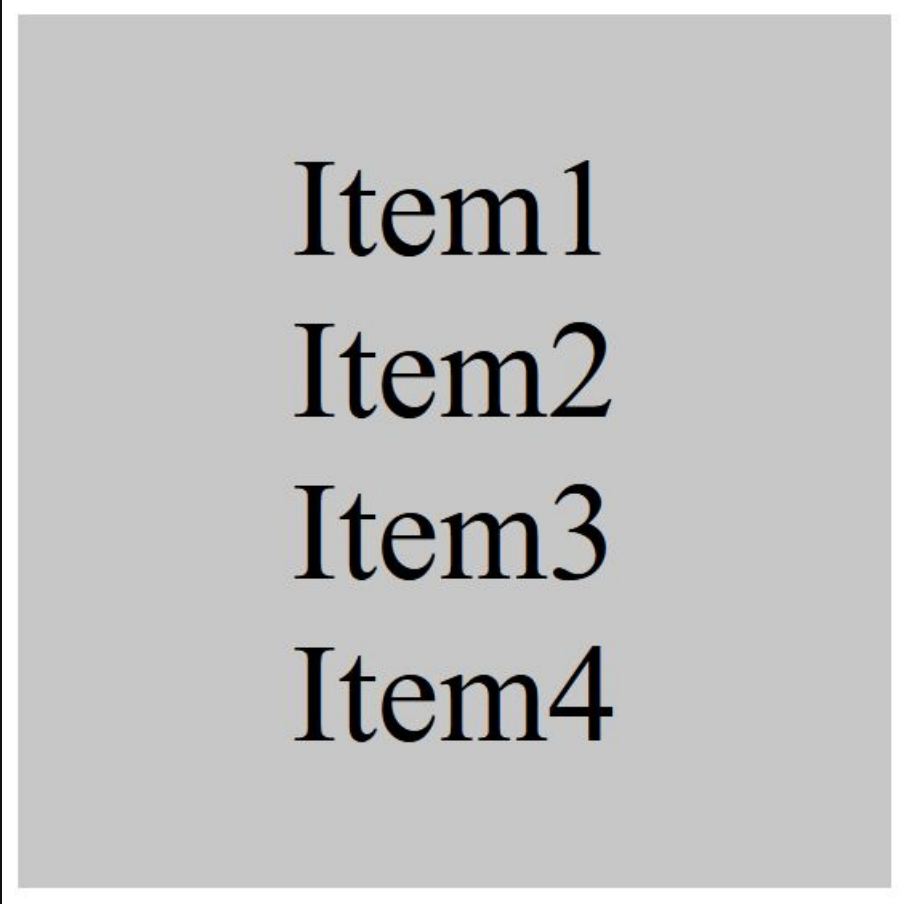
```
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>

.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    flex-direction: column;
    justify-content: center;
    align-items: center;
    height: 100px;
    width: 100px;
}
```
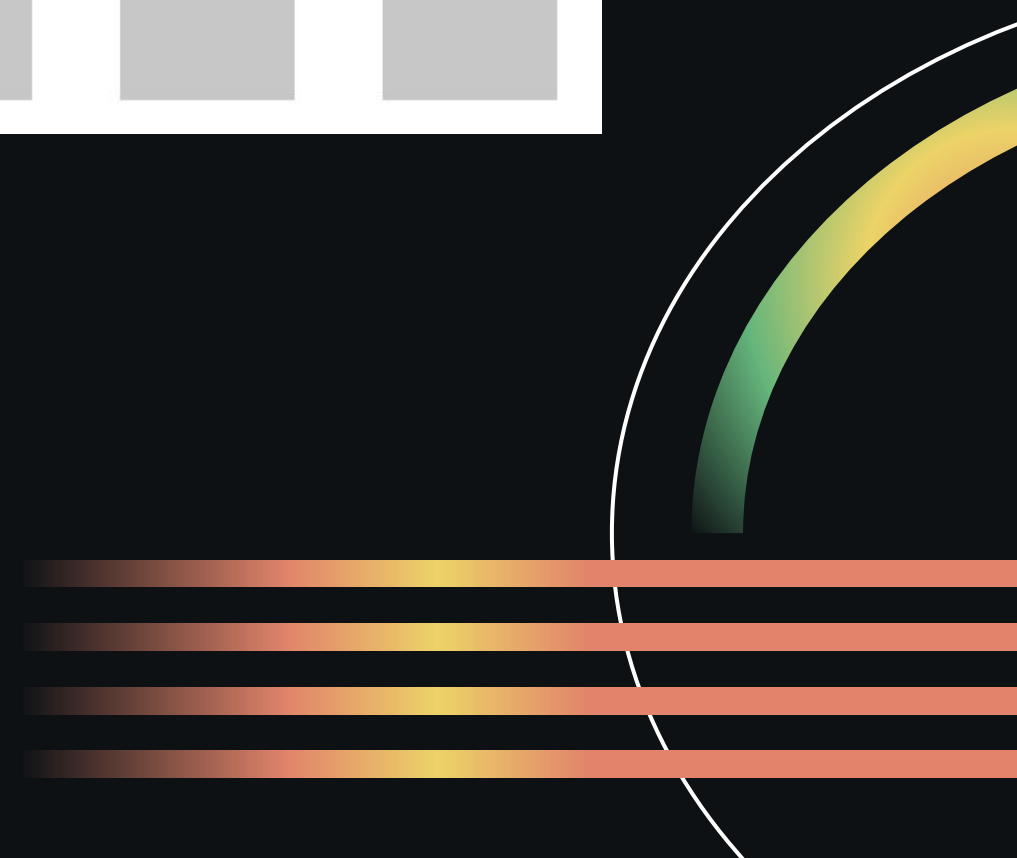
Item1
Item2
Item3
Item4

Flex Wrap

```html
<div class="container">
    <div class="item">Item1</div>
    <div class="item">Item2</div>
    <div class="item">Item3</div>
    <div class="item">Item4</div>
</div>
```

```css
.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    height: 100px;
    width: 100px;
}
```

```css
.container {
    display: flex;
    background: rgba(70, 70, 70, 0.3);
    flex-wrap: wrap;
    height: 100px;
    width: 100px;
}
```

Gap

```
<div class="container">
    <div class="item"></div>
    <div class="item"></div>
    <div class="item"></div>
    <div class="item"></div>
</div>

.container {
    display: flex;
    gap: 10px;
}

.item {
    background-color: rgba(70, 70, 70, 0.3);
    width: 20px;
    height: 20px;
}
```
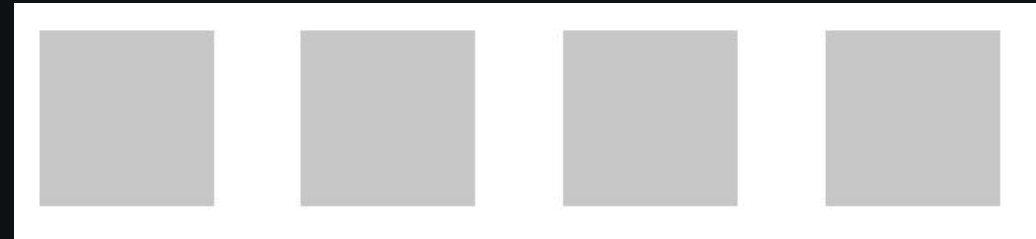
Flex Grow (på item)

```html
<div class="container">
    <div id="item-1">1</div>
    <div id="item-2">2</div>
    <div id="item-3">3</div>
    <div id="item-4">4</div>
</div>
```

```css
.container {
    display: flex;
}

#item-1 {
    background-color: red;
    flex-grow: 1
}
#item-2 {
    background-color: green;
    flex-grow: 2
}
#item-3 {
    background-color: blue;
    flex-grow: 1
}
#item-4 {
    background-color: yellow;
    flex-grow: 0.5
}
```

Align & Justify Self (på item)

```html
<div class="container">
    <div>1</div>
    <div>2</div>
    <div id="item-3">3</div>
    <div>4</div>
</div>
```

```css
.container {
    display: flex;
    flex-direction: column;
    background-color: rgba(70, 70, 70, 0.3);
}

#item-3 {
    align-self: center;
}
```