

# Flexbox Flex

The `flex` property is a sub-property of the Flexible Box Layout module and therefore must be applied to child items of a flex container. This is the shorthand for `flex-grow`, `flex-shrink`, and `flex-basis`. The second and third parameters (`flex-shrink` and `flex-basis`) are optional.

## Example

```
<div class="container">
  <div class="flex-item header">Header</div>
  <div class="flex-item sidebar">Sidebar</div>
  <div class="flex-item main">Main</div>
  <div class="flex-item sidebar">Sidebar</div>
  <div class="flex-item footer">Footer</div>
</div>
```

```
.container {
  display: flex;
  flex-flow: row wrap;
}

.header,
.footer { flex: 1 100%; }
.sidebar { flex: 1; }
.main { flex: 2; }

.flex-item { /* for visual purposes only */
  background: dodgerblue;
  border: 3px solid rgba(0,0,0,0.2);
  padding: 0.5em;
  color: white;
  font-weight: bold;
  font-size: 2em;
  text-align: center;
}
```

## Result

Header		
Sidebar	Main	Sidebar
Footer		

## Additional Resources

- CSS Tricks
  - <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
  - <https://css-tricks.com/almanac/properties/f/flex/>