

## 3.2 Flexible Box (上)

# Flexible Box 是什么？

- 一种新的排版上下文
- 它可以控制子级盒子的：
  - 摆放的流向 ( → ← ↑ ↓ )
  - 摆放顺序
  - 盒子宽度和高度
  - 水平和垂直方向的对齐
  - 是否允许折行

# display: flex

- display: flex 使元素生成一个块级的 Flex 容器
- display: inline-flex 使元素生成一个行级的 Flex 容器

```
<div class="container">
  <div class="a">A</div>
  <div class="b">B</div>
  <div class="c">C</div>
</div>
```

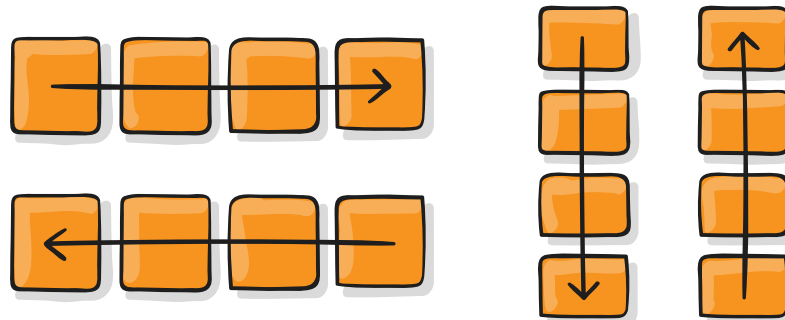


```
<style>
  .container {
    display: flex;
    border: 2px solid red;
  }
  .a, .b, .c {
    text-align: center;
    padding: 1em;
  }
  .a { background: #fcc; }
  .b { background: #cfc; }
  .c { background: #ccf; }
</style>
```

//

flex-direction

# flex-direction



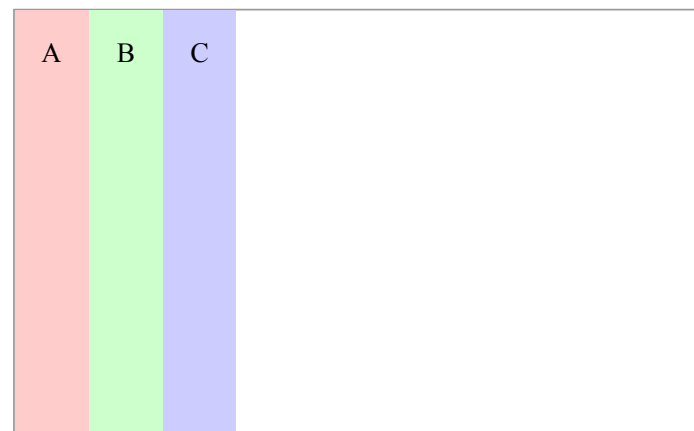
# flex-direction

`flex-direction: row`

`flex-direction: row-reverse`

`flex-direction: column`

`flex-direction: column-reverse`

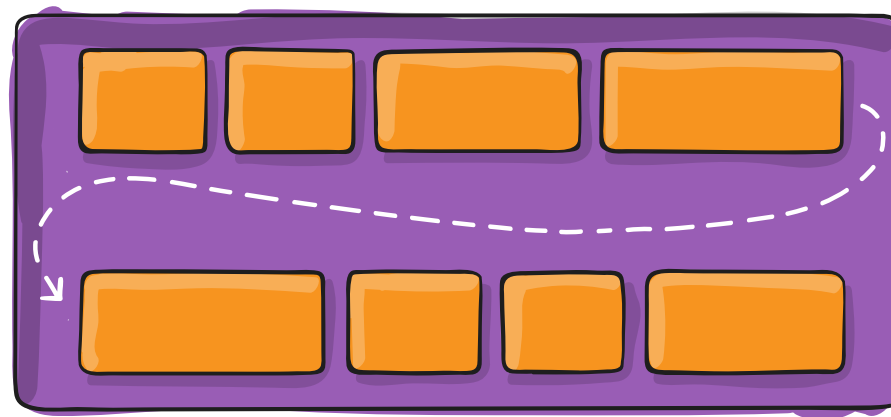


<https://s.codepen.io/webzhao/debug/GPWqgr/bZrQWNOb...>

flex-wrap



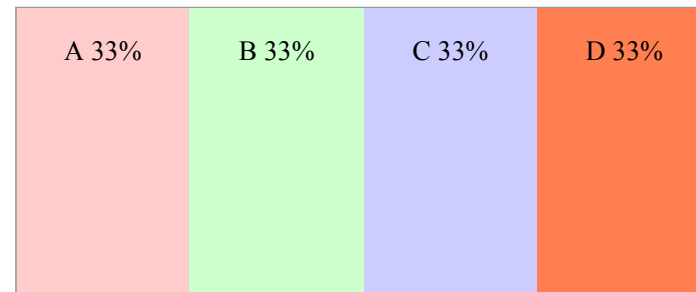
# flex-wrap



# flex-wrap

```
flex-direction: row;  
flex-wrap: nowrap
```

```
flex-direction: row;  
flex-wrap: wrap
```



<https://codepen.io/webzhao/debug/BGbOXG>

# Flexibility



- 可以设置子项的弹性：当容器有剩余空间时，会伸展；容器空间不够时，会收缩。
- flex-grow 有剩余空间时的伸展能力
- flex-shrink 容器空间不足时收缩的能力
- flex-basis 没有伸展或收缩时的基础长度

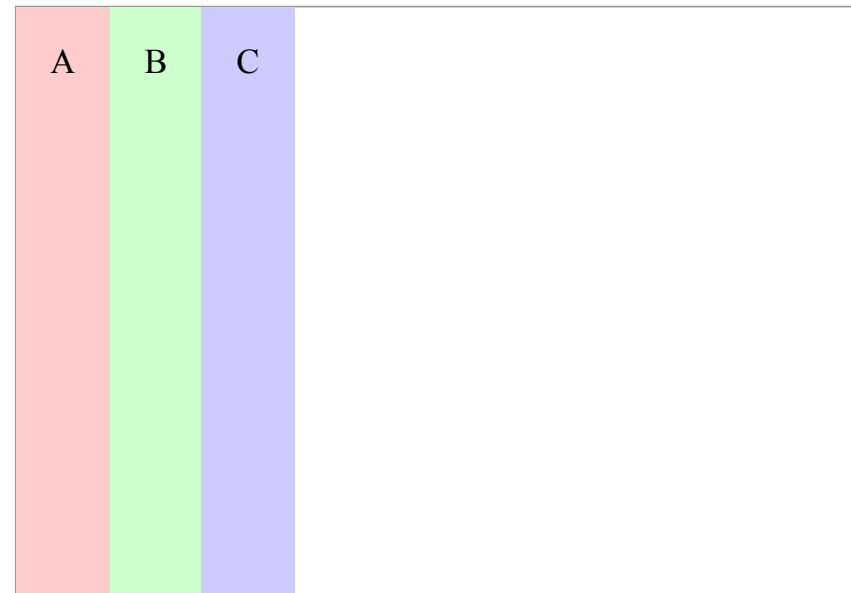
# flex-grow

```
.a, .b, .c { width: 100px }
```

```
.a, .b, .c { width: 100px }  
.a { flex-grow: 1 }
```

```
.a, .b, .c { width: 100px }  
.a, .b { flex-grow: 1 }
```

```
.a, .b, .c { width: 100px }  
.a { flex-grow: 2 }  
.b { flex-grow: 1 }
```



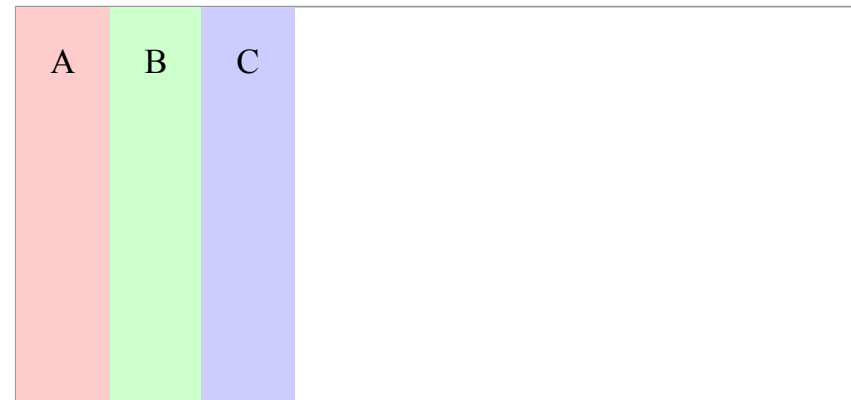
<https://s.codepen.io/webzhao/debug/BGEJKd/gareYZEXjVPr>

# flex-shrink

```
.a, .b, .c { width: 70% }
```

```
.a, .b, .c { width: 70% }  
.a { flex-shrink: 0 }
```

```
.a, .b, .c { width: 70% }  
.a, .b { flex-shrink: 0 }
```



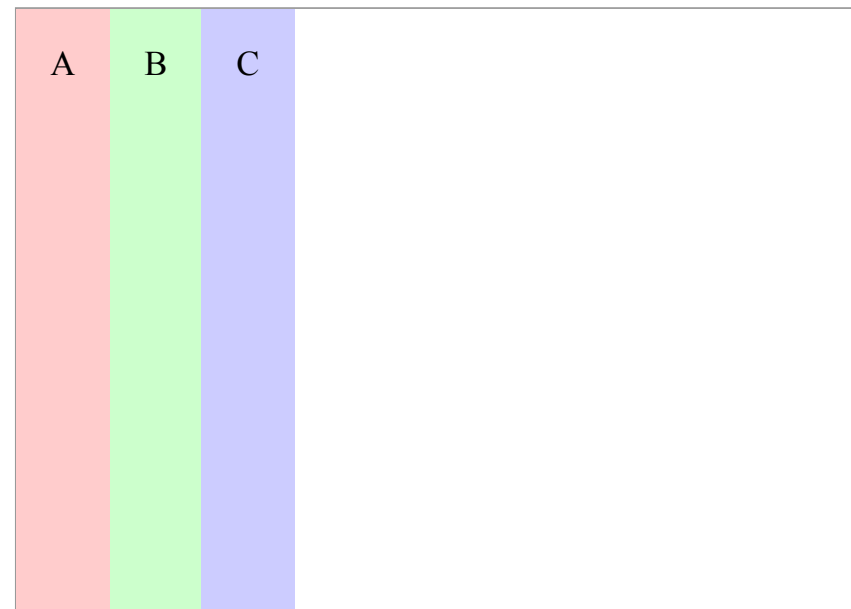
<https://s.codepen.io/webzhao/debug/mQgvjz/yPMJjXyVod...>

# flex-basis

```
.a {  
  width: 20%;  
  flex-basis: 50%  
}
```

```
.a {  
  width: 20%  
}
```

```
.a {  
  flex-basis: content  
}
```



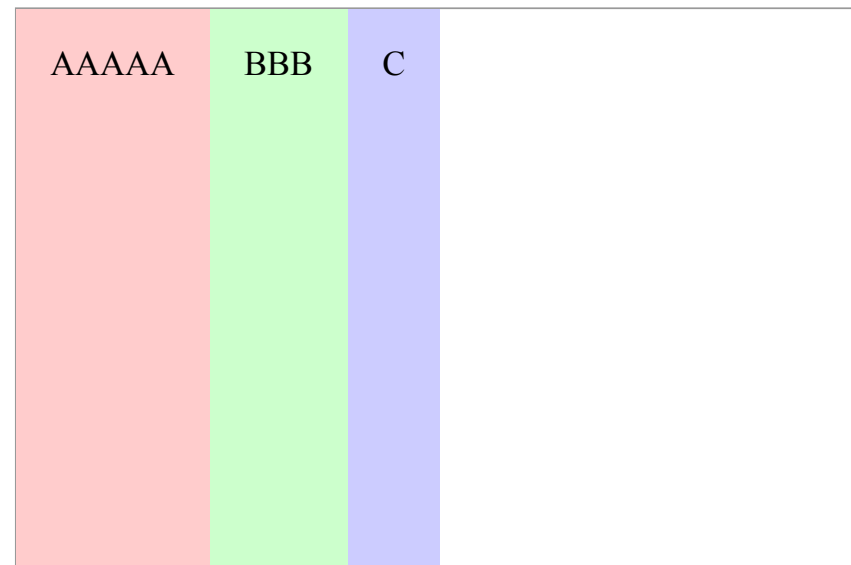
<https://s.codepen.io/webzhao/debug/EOJrqw/nqAwvGqZB...>

# flex

```
.a {  
  flex: 1 1 auto  
}
```

```
.a, .b, .c {  
  flex-grow: 1  
}
```

```
.a, .b, .c {  
  flex: 1 1 0  
}
```



<https://s.codepen.io/webzhao/debug/qQwvbK/VJrxxVLDbygr>