



8.2 - TAILWIND

Hands on class

Things to know in a frontend framework

1. Flex
2. Grids
3. Responsiveness
4. background color, text color, hover,

Flex

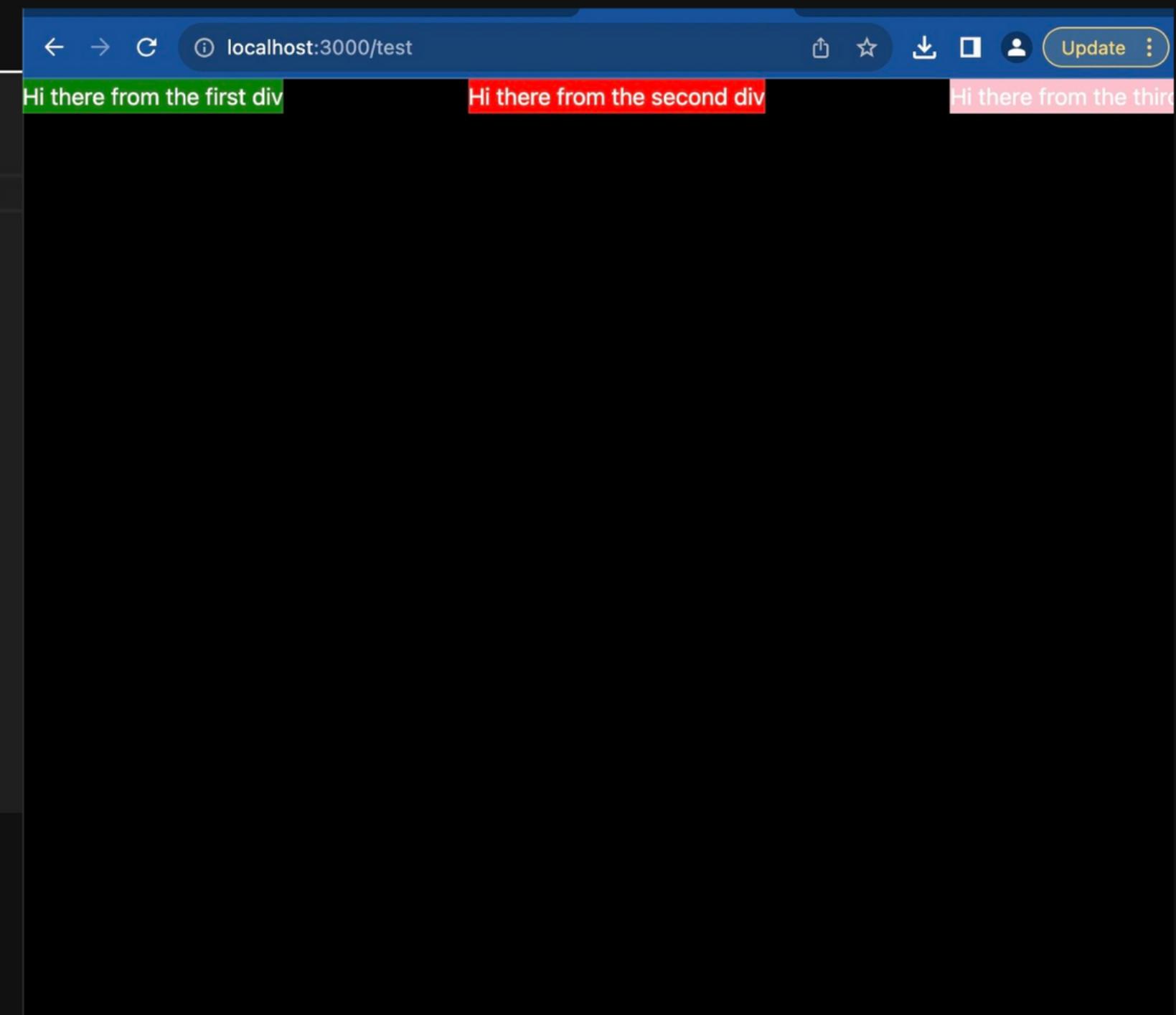
```
2 export default function Test() {
3   return <div style={{display: "flex"}}>
4     <div>
5       <div style={{background: "green"}}>
6         |   Hi there from the first div
7       </div>
8       <div style={{background: "red"}}>
9         |   Hi there from the second div
10      </div>
11      <div style={{background: "pink"}}>
12        |   Hi there from the third
13      </div>
14    </div>
15  </div>
16}
17}
```

← → C ⓘ localhost:3000/test

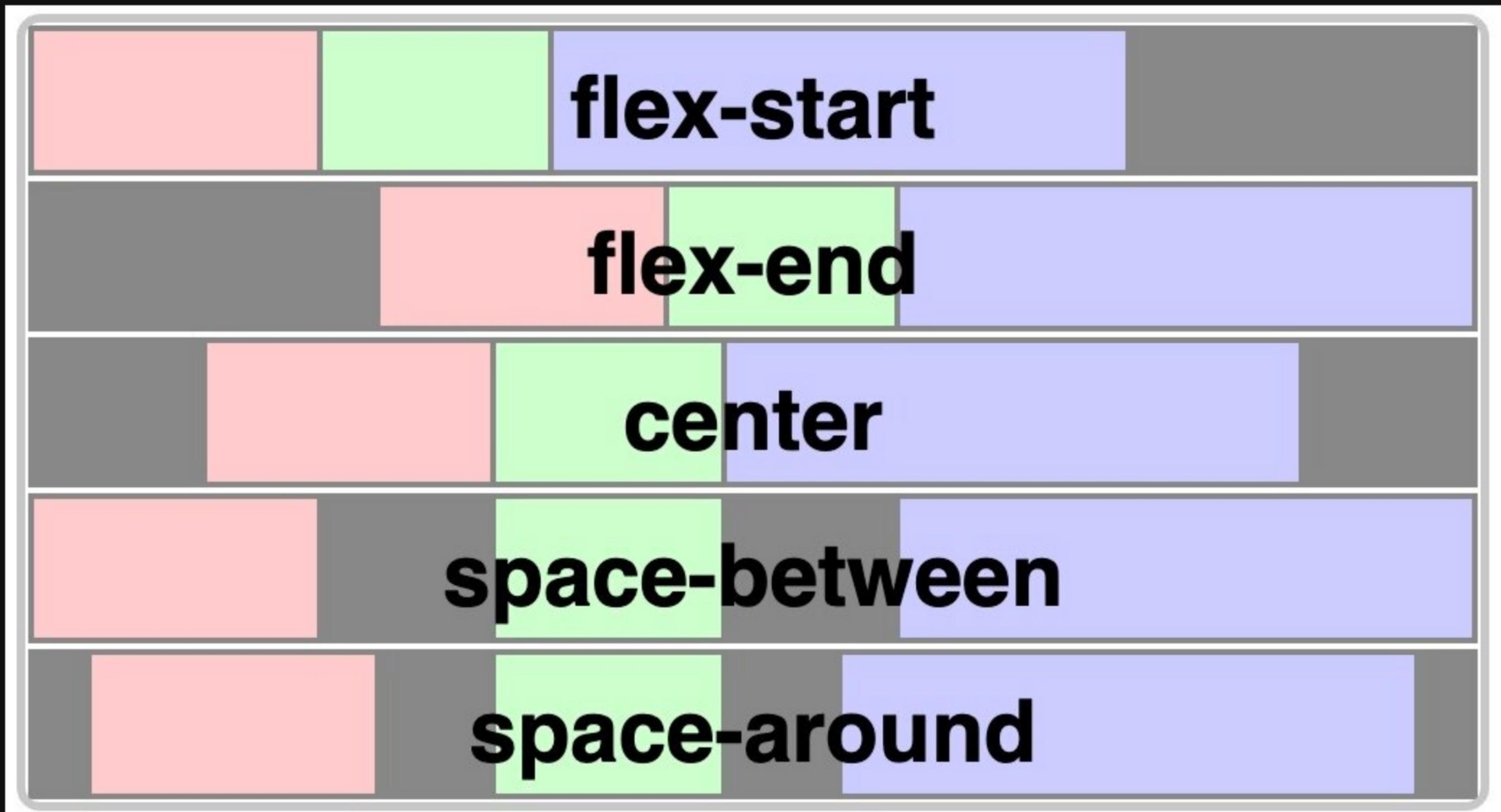
Hi there from the first divHi there from the second divHi there from the third

Flex

```
pp / src / pages / test / test.jsx / JustifyContent
export default function Test() {
  return <div style={{display: "flex", justifyContent: "space-between"}}>
    <div style={{background: "green"}}>
      Hi there from the first div
    </div>
    <div style={{background: "red"}}>
      Hi there from the second div
    </div>
    <div style={{background: "pink"}}>
      Hi there from the third
    </div>
  </div>
}
```



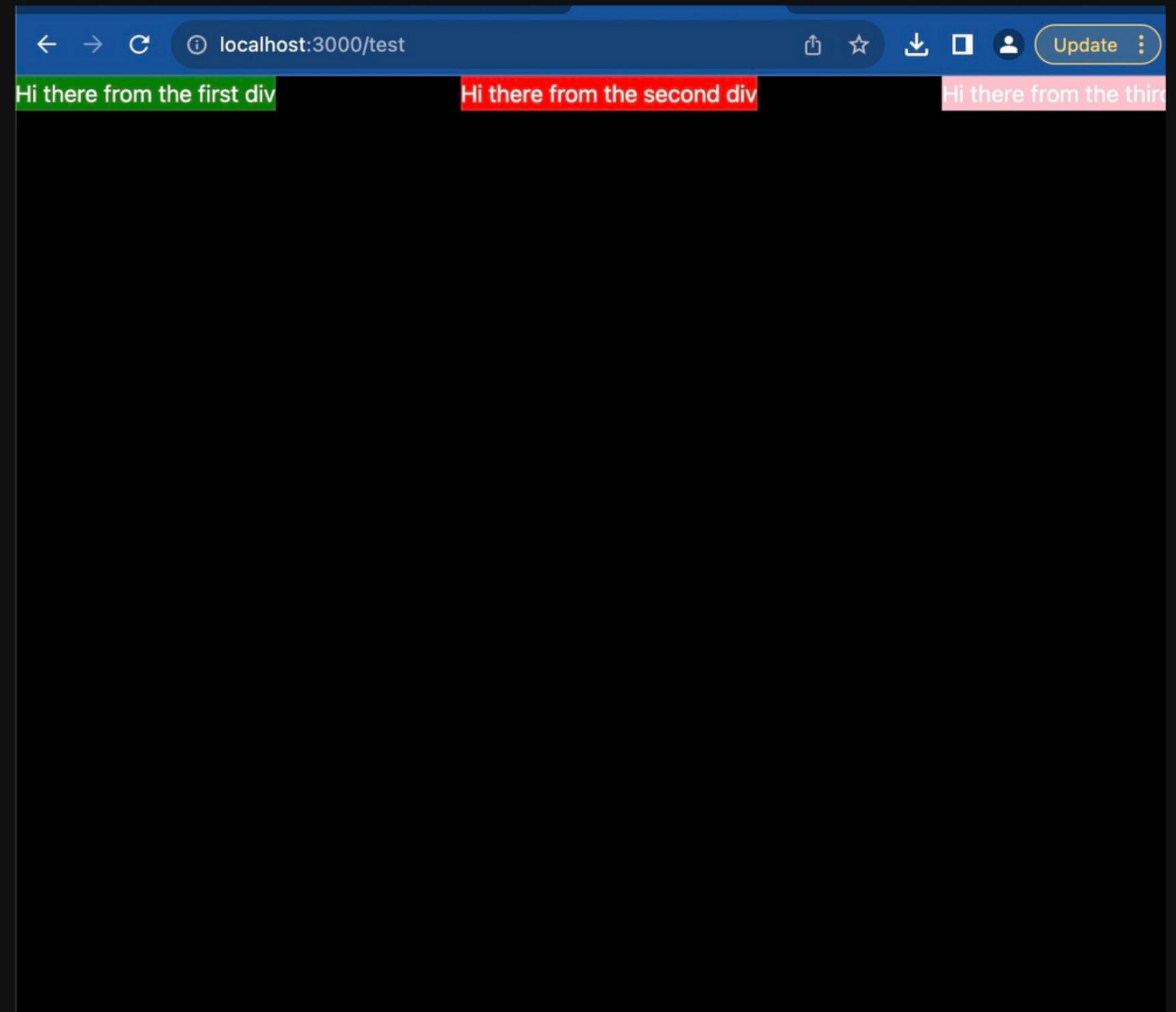
Flex



Tailwind

```
-app > src > pages > TS test.tsx > ⚒ Test

2 export default function Test() {
3     return <div className="flex justify-between">
4         <div style={{background: "green"}}>
5             |   Hi there from the first div
6             </div>
7             <div style={{background: "red"}}>
8                 |   Hi there from the second div
9                 </div>
10            <div style={{background: "pink"}}>
11                |   Hi there from the third
12                </div>
13        </div>
14    }
```

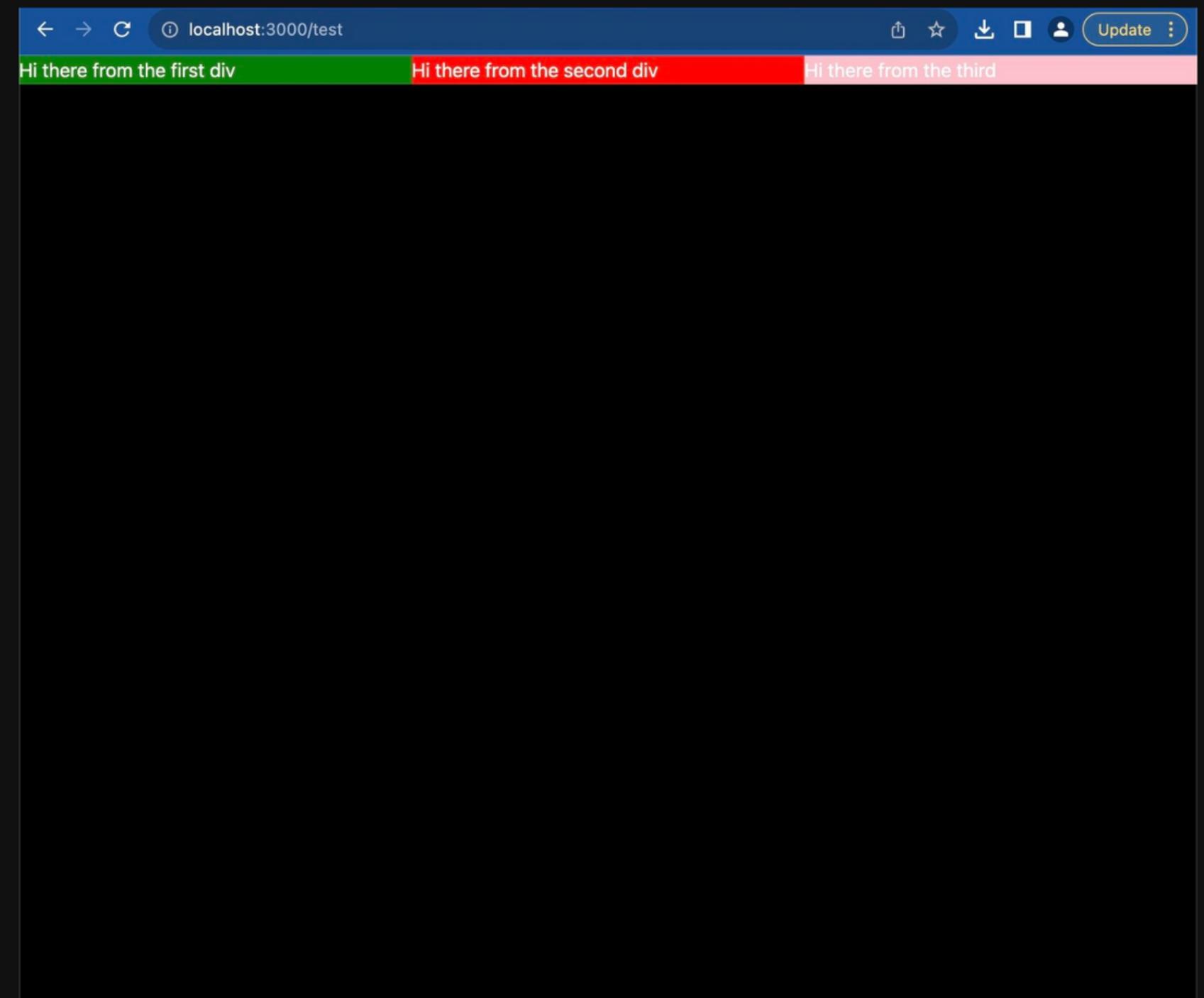


Grids in tw

Equal widths

my-app > src > pages > TS test.tsx > ...

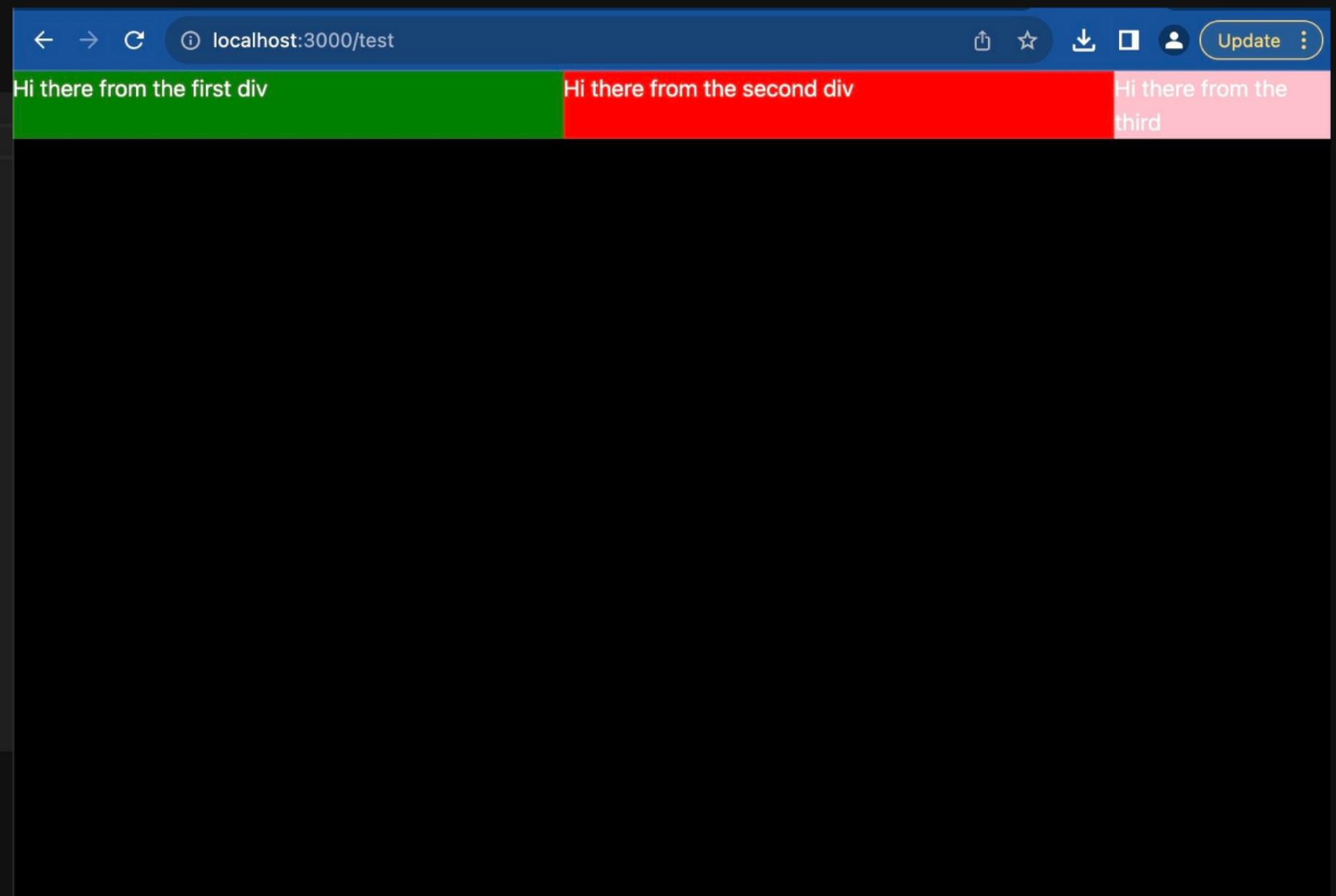
```
1
2  export default function Test() {
3      return <div className="grid grid-cols-3">
4          <div style={{background: "green"}}>
5              Hi there from the first div
6          </div>
7          <div style={{background: "red"}}>
8              Hi there from the second div
9          </div>
10         <div style={{background: "pink"}}>
11             Hi there from the third
12         </div>
13     </div>
14 }
```



Grids in tw

unequal widths

```
my-app > src > pages > ts test.tsx > ...
1
2  export default function Test() {
3    return <div className="grid grid-cols-12">
4      <div className="col-span-5" style={{background: "green"}}>
5        Hi there from the first div
6      </div>
7      <div className="col-span-5" style={{background: "red"}}>
8        Hi there from the second div
9      </div>
10     <div className="col-span-2" style={{background: "pink"}}>
11       Hi there from the third
12     </div>
13   </div>
14 }
```



Responsiveness

<https://tailwindcss.com/docs/responsive-design>

Breakpoint prefix	Minimum width	CSS
`sm`	640px	`@media (min-width: 640px) { ... }`
`md`	768px	`@media (min-width: 768px) { ... }`
`lg`	1024px	`@media (min-width: 1024px) { ... }`
`xl`	1280px	`@media (min-width: 1280px) { ... }`
`2xl`	1536px	`@media (min-width: 1536px) { ... }`

Mobile first

Working mobile-first

By default, Tailwind uses a mobile-first breakpoint system, similar to what you might be used to in other frameworks like Bootstrap.

What this means is that unprefixed utilities (like `uppercase`) take effect on all screen sizes, while prefixed utilities (like `md:uppercase`) only take effect at the specified breakpoint *and above*.

Targeting mobile screens

Where this approach surprises people most often is that to style something for mobile, you need to use the unprefixed version of a utility, not the `sm:` prefixed version. Don't think of `sm:` as meaning "on small screens", think of it as "at the small *breakpoint*".

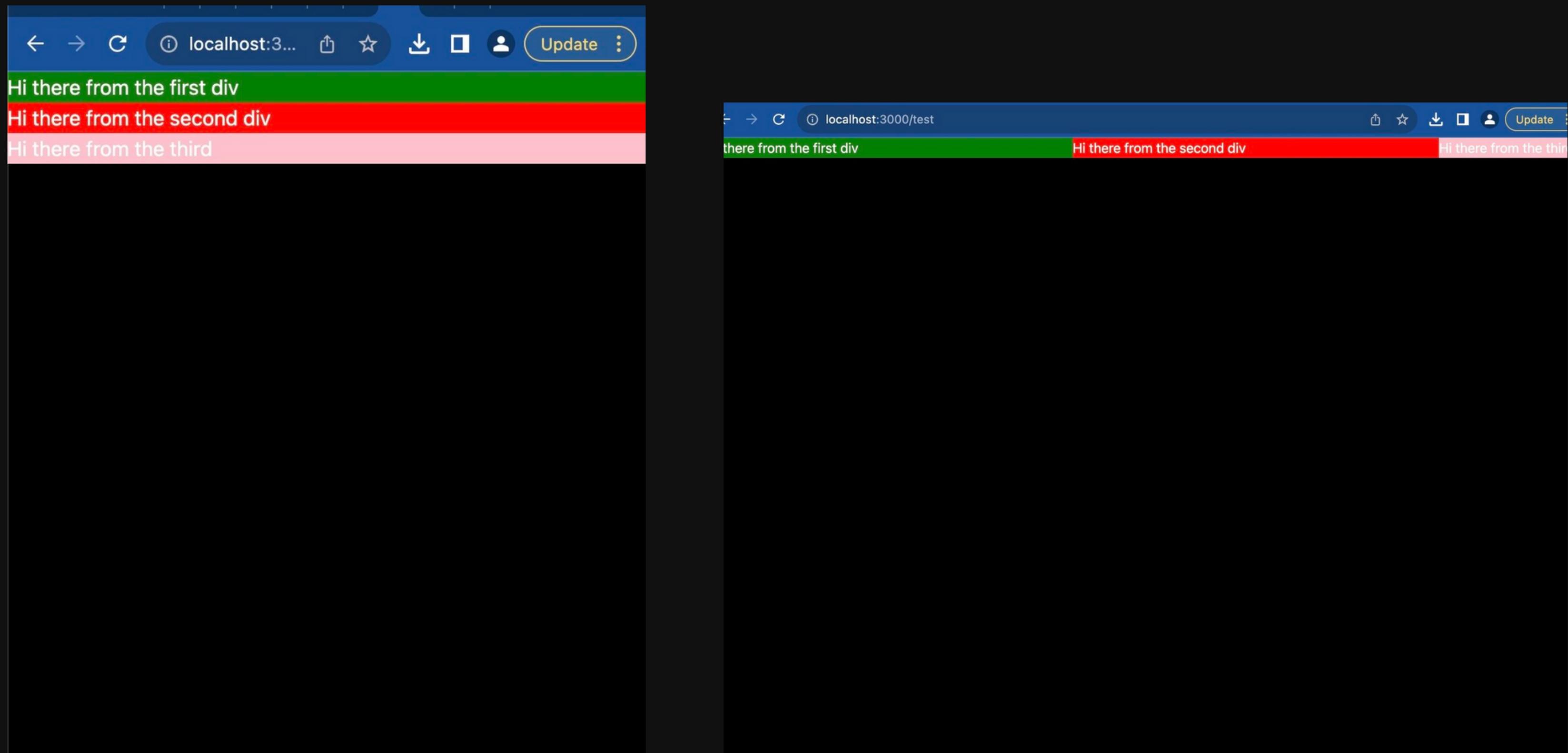
Don't use `sm:` to target mobile devices

```
<!-- This will only center text on screens 640px and wider, not on small screens -->
<div class="sm:text-center"></div>
```

Use unprefixed utilities to target mobile, and override them at larger breakpoints

```
<!-- This will center text on mobile, and left align it on screens 640px and wider -->
<div class="text-center sm:text-left"></div>
```

Use case



Code

```
y-app > src > pages > TS test.tsx > 📁 Test  
1  
2  export default function Test() {  
3      return <div className="grid grid-cols-12">  
4          <div className="col-span-12 md:col-span-5" style={{background: "green"}>  
5              | Hi there from the first div  
6          </div>  
7          <div className="col-span-12 md:col-span-5" style={{background: "red"}>  
8              | Hi there from the second div  
9          </div>  
10         <div className="col-span-12 md:col-span-2" style={{background: "pink"}>  
11             | Hi there from the third  
12         </div>  
13     </div>  
14 }
```

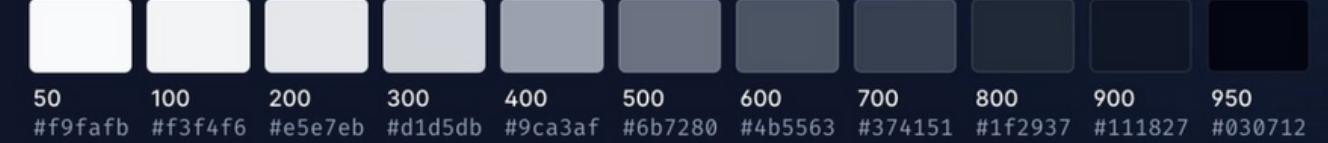
Color system

Tailwind includes an expertly-crafted default color palette out-of-the-box that is a great starting point if you don't have your own specific branding in mind.

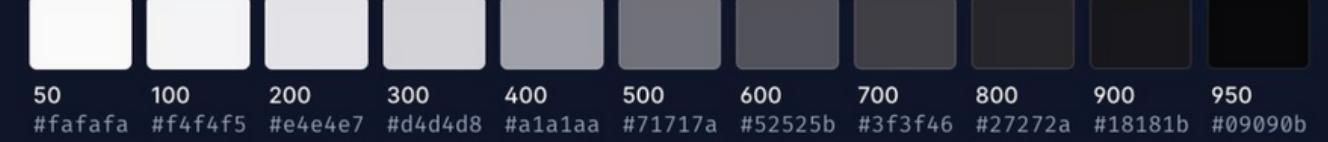
Slate



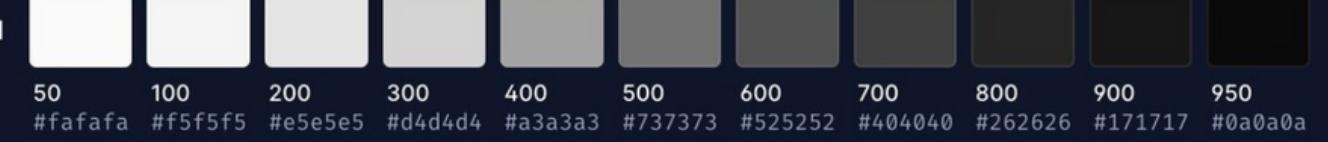
Gray



Zinc



Neutral



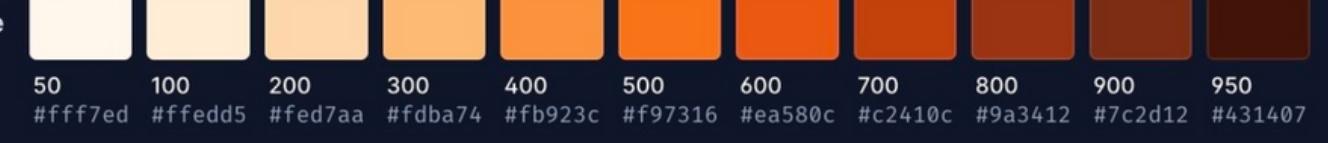
Stone



Red



Orange



Backgrounds/font colors

```
src / pages / test.tsx
```

```
1  export default function Test() {  
2    return <div style={{background: "green", color: 'red'}}>  
3      | Hi there from the first div  
4    </div>  
5  }
```

```
src / pages / test.tsx
```

```
1  
2  export default function Test() {  
3    return <div className="bg-green-500 text-red-500" >  
4      | Hi there from the first div  
5    </div>  
6  }
```



Font size

```
y-app > src > pages > TS test.tsx > ...
1
2 export default function Test() {
3   return <div className="bg-green-500 text-red-500 text-xs" >
4     Hi there from the first div
5   </div>
6 }
```

Typography

Font Size

Utilities for controlling the font size of an element.

Class	Properties
text-xs	font-size: 0.75rem; /* 12px */ line-height: 1rem; /* 16px */
text-sm	font-size: 0.875rem; /* 14px */ line-height: 1.25rem; /* 20px */
text-base	font-size: 1rem; /* 16px */ line-height: 1.5rem; /* 24px */
text-lg	font-size: 1.125rem; /* 18px */ line-height: 1.75rem; /* 28px */
text-xl	font-size: 1.25rem; /* 20px */ line-height: 1.75rem; /* 28px */

Basic usage

Backgrounds/
colors

Border radius

Class	Properties
	border-end-start-radius: 0.25rem; /* 4px */
rounded-s-md	border-start-start-radius: 0.375rem; /* 6px */ border-end-start-radius: 0.375rem; /* 6px */
rounded-s-lg	border-start-start-radius: 0.5rem; /* 8px */ border-end-start-radius: 0.5rem; /* 8px */
rounded-s-xl	border-start-start-radius: 0.75rem; /* 12px */ border-end-start-radius: 0.75rem; /* 12px */
rounded-s-2xl	border-start-start-radius: 1rem; /* 16px */ border-end-start-radius: 1rem; /* 16px */
rounded-s-3xl	border-start-start-radius: 1.5rem; /* 24px */ border-end-start-radius: 1.5rem; /* 24px */

Basic usage

Rounded corners

Use utilities like `rounded-sm`, `rounded`, or `rounded-lg` to apply different border radius sizes to an element.



rounded	rounded-md	rounded-lg	rounded-full
			

Vanilla to tailwind

```
/-app > src > pages > TS test.tsx > ⚒ TestNative  
1  
2 // With tailwind  
3 export default function TestTw() {  
4   return <div className="bg-green-500 text-red-500 text-xs rounded" >  
5     |   Hi there from the first div  
6   </div>  
7 }  
8  
9 // Without tailwind  
10 export function TestNative() {  
11   return <div style={{background: "green", color: "red", fontSize: "12px", borderRadius: "4px"}}>  
12     |   Hi there from the first div  
13   </div>  
14 }
```

Bord