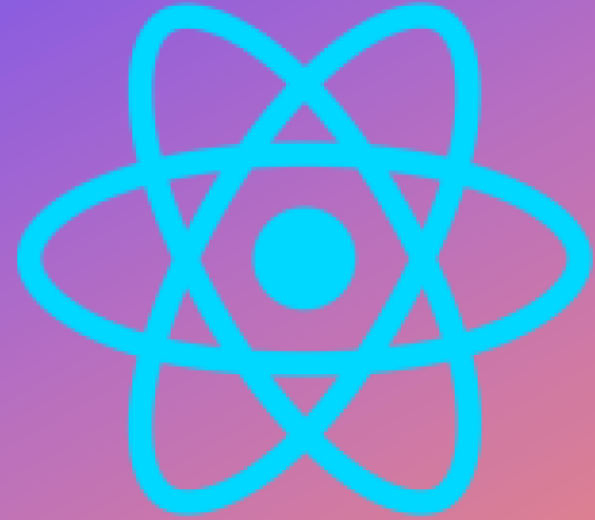




#09

COLOR FUNCTIONS

in this SASS tutorial, I'll be introducing you to some of the functions that come shipped with SASS. In particular, we'll be looking at a couple of cool color functions.



Go to <https://sass-lang.com/documentation/modules/color>

```
lighten($color, $amount) // => color
```

Makes \$color lighter.

The \$amount must be a number between 0% and 100% (inclusive). Increases the HSL lightness of \$color by that amount.

⚠ Heads up!

The `lighten()` function increases lightness by a fixed amount, which is often not the desired effect. To make a color a certain percentage lighter than it was before, use `scale()` instead.

Because `lighten()` is usually not the best way to make a color lighter, it's not included directly in the new module system. However, if you have to preserve the existing behavior, `lighten($color, $amount)` can be written `adjust($color, $lightness: $amount)`.

SCSS Sass

```
// #e1d7d2 has lightness 85%, so when lighten() adds 30% it just returns white.  
@debug lighten(#e1d7d2, 30%); // white  
  
// scale() instead makes it 30% lighter than it was originally.  
@debug color.scale(#e1d7d2, $lightness: 30%); // #eae3e0
```

Modify Navbar.scss

```
@import "../Variables/variables.scss";
@import "../Mixins/mixins.scss";

.navbar {
  background: $deepBlue;
  ul {
    width: 100%;

    @include clearFix;
  }
  li {
    list-style-type: none;
    float: left;
    width: (100% / 6);
  }
  a {
    color: $offWhite;
    text-decoration: none;
    padding: 16px 0;
    display: block;
    text-align: center;

    &:hover {
      background: lighten($color: $deepBlue, $amount: 5);
    }
  }
}

.navbar ul:after {
  content: "";
  display: block;
  clear: both;
}
```

Change code



Modify MainPage.scss

```
@import "../Variables/variables.scss";
@import "../Mixins/mixins.scss";

.section h1 {...}

.lead-banner{...}

.lessons-banner{...}

.services{
  .items{
    float: left;
    width: (100% / 3);
    box-sizing: border-box;
    text-align: center;
  }
  img{
    width: 60%;
    margin: 20px 20%;
  }
  a{
    text-decoration: none;
    color: $deepBlue;
    font-weight: bold;

    &:hover{
      color: complement($deepBlue);
    }
  }
  @include clearFix;
  margin-bottom: 60px;
}

.projects
li{... }
```

Change code

