

Media query Breakpoints

Media queries in CSS3 extended the CSS2 media types idea: Instead of looking for a type of device, they look at the capability of the device.

Media queries can be used to check many things, such as:

- width and height of the viewport
- width and height of the device
- orientation (is the tablet/phone in landscape or portrait mode?)
- resolution

Typical Device Breakpoints:

There are tons of screens and devices with different heights and widths, so it is hard to create an exact breakpoint for each device. To keep things simple you could target five common groups:

Create new file breakpoints.scss in shinabi folder

```
$breakpoints: (  
  "xs": 0,  
  "sm": 480px,  
  "md": 720px,  
  "lg": 960px,  
  "xl": 1200px,  
);  
  
@mixin xs {  
  @media (min-width: map-get($breakpoints, "xs")) {  
    @content;  
  }  
}  
  
@mixin sm {  
  @media (min-width: map-get($breakpoints, "sm")) {
```

```
    @content;
  }
}

@mixin md {
  @media (min-width: map-get($breakpoints, "md")) {
    @content;
  }
}

@mixin lg {
  @media (min-width: map-get($breakpoints, "lg")) {
    @content;
  }
}

@mixin xl {
  @media (min-width: map-get($breakpoints, "xl")) {
    @content;
  }
}

@mixin breakpoint($bp: 0) {
  @media (min-width: $bp) {
    @content;
  }
}

.responsive-test {
  @include xs {
    color: red;
  }
  @include sm {
    color: blue;
  }
  @include md {
    color: green;
  }
  @include lg {
    color: purple;
  }
  @include xl {
    color: orange;
  }
  @include breakpoint(1400px) {
    color: pink;
  }
}
```

Import index.scss file

```
// variable & function
@import "functions";
@import "variable";

// base & layout
@import "base";
@import 'breakpoints';

// colors
@import "colors";
// components(button, card, navbar)

@import 'components/card';
@import 'components/buttons';

// utilities(margin, padding, opacity)
@import 'utilities';
```

Output index.css file

```
@media (min-width: 0) {
  .responsive-test {
    color: red;
  }
}
@media (min-width: 480px) {
  .responsive-test {
    color: blue;
  }
}
@media (min-width: 720px) {
  .responsive-test {
    color: green;
  }
}
@media (min-width: 960px) {
  .responsive-test {
    color: purple;
  }
}
@media (min-width: 1200px) {
  .responsive-test {
    color: orange;
  }
}
```

```

}
@media (min-width: 1400px) {
  .responsive-test {
    color: pink;
  }
}

```

Index.html file

```

<body>
  <div>

    <!-- grid system -->
    <div class="responsive-test">changing colors</div>

    <!-- utilities -->

  </div>

```

And see browser output:

Let's go Screen resizing, changing colors



