

HTML5 and CSS3 for Mobile Applications

Media Queries

Prof. Paul Krause, University of Surrey

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- General format:

```
@media screen and (max-width: 400px) {  
  /* Query specific CSS goes here */  
}
```

- Media queries can also test for:
 - width; height; device-width; device-height; orientation; aspect-ratio; color; resolution; scan ...

The basic html

```
8  <body>
9    <nav>
10     <h3>Helpful Links</h3>
11     <ul>
12       <li><a href="#">Compassion</a></li>
13       <li><a href="#">Wisdom</a></li>
14       <li><a href="#">Power</a></li>
15       <li><a href="#">Humility</a></li>
16       <li><a href="#">Truth</a></li>
17       <li><a href="#">Beauty</a></li>
18     </ul>
19   </nav>
20   <article>
21     <h1>The Sordid Story of my Life so far</h1>
22     <p>
23       Lorem ipsum dolor sit amet, consectetur adipiscing elit. In diam dolor,
24       malesuada vel blandit id, consequat at dolor. Class aptent taciti sociosqu ad
25       litora torquent per conubia nostra, per inceptos himenaeos. Vivamus consequat
26       ligula ut tristique tristique. Sed non nulla tempus, viverra risus facilisis,
27       volutpat odio. Aenean lobortis tortor augue, eget rhoncus est luctus sagittis.
28       Nunc vel blandit diam. Aenean augue leo, pharetra sodales libero in, feugiat
29       tempus ante. Mauris at tortor in erat pharetra vehicula ut quis turpis.
30       Phasellus eget eros at mauris dignissim commodo. Praesent laoreet, nulla vitae
31       dapibus ornare, tellus nibh rhoncus sem, sagittis laoreet tellus enim quis nibh.
32     </p>
33   </article>
34 </body>
```

Add two-column styling

```
body {  
  width: 1000px;  
}  
  
nav {  
  float: left;  
  width: 15%;  
  background-color: #0A0;  
}  
  
article {  
  margin-left: 20%;  
  width: 80%;  
}
```

For Tablets

```
@media screen and (min-width: 500px) and (max-width: 1000px) {  
  nav {  
    background-color: #A00;  
    padding-top: 5px;  
    padding-bottom: 5px;  
  }  
  
  h3 {  
    display: none;  
  }  
  
  ul {  
    text-align: center;  
  }  
  
  li {  
    display: inline;  
    list-style-type: none;  
  }  
}
```

For Smartphones

```
1 @media screen and (max-width: 500px) {  
2   article {  
3     position: absolute;  
4     top: 10px;  
5     max-height: 300px;  
6   }  
7  
8   nav {  
9     margin-top: 300px;  
10    color: #FFF;  
11    background-color: #03A;  
12    padding-top: 5px;  
13    padding-bottom: 5px;  
14  }
```