

Mobile Web Notes

Chapter 8

Create output styles for particular devices

media="devices" style or link

```
<link media="handheld" />
```

```
<link media="handheld" />
```

```
<style media="handheld" />
```

```
@media handheld {rules}
```

media groups – describe how media devices render content

page 589, figure 8-35 media devices

all	all devices (default)
braille	Braille tactile feedback
handheld	Mobile devices with small screens and limited bandwidth

mobile: web page displayed within window called viewport

(Desktop – Viewport equivalent to browser window)

visual viewport – web content displayed on screen

layout viewport – complete content; some not visible

panning on page – scrolling through contents of visual

zooming out – displays more of layout viewport

Layout viewport set by browser on device

Apparent width does not change (visual viewport) – based on screen size

Pg 64 Figure 8-51 Mobile Features

aspect-ratio	
device-height	height of rendering surface of output devices; height of page
device-width	width of rendering surface of output devices; width of page
height	height of the display area of the output device; height of the browser window including scroll bars
width	width of display area of output

min and max prefixes (min-, max-)

optimizing mobile

scroll vertically

set width of layout viewport to match screen size (visual viewport)

```
<meta name="viewport" content="width=device-width,initial-scale=1.0,maximum-scale=1.0" />
```

page 606

```
<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0" />
```

```
<link href="mobile.css" media="only screen and (max-width:500px) />
```

```
<link href="layout.css" rel="stylesheet" media="screen and (min-width: 601px)" />
```

```
<link href="mobile.css" rel="stylesheet" media="only screen and (max-width: 600px)" />
```

```
<link href="large.css" rel="stylesheet" media="only screen and (max-width: 500px)" />
```

```
<link href="small.css" rel="stylesheet" media="only screen and (max-width: 400px)" />
```

```
<link href="tiny.css" rel="stylesheet" media="only screen and (max-width: 300px)" />
```

```
@media screen and (orientation:portrait) {styles}
```

Media group – continuous (paged), visual/audio/tactile, grid, interactive, static

mobile demo:

- height height of 628 maybe the visual viewport
- screen height height of 736 maybe the layout viewport

Pattern: height and screen height are all the same!

mobile.css:

```
/* Css file for mobile test */
```

```
body {
```

```
margin: 0px;
```

```
width: 100%;
```

```
height: 1136px;
```

```
height: 568px;
```

```
height: 564px;
```

```
background-color: tan;
```

```
outline: 4px purple solid;
```

```
}
```

```
h1 {
    text-align: center;
}
div p {
    width: 25%;
    margin: 2px;
    float: left;
}
figure {
    width: 14%;
    float: left;
}
```

small.css

```
/* Css file for mobile test */
```

```
body {
    margin: 0px;
    width: 100%;
    height: 1136px;
    height: 568px;
    height: 564px;
    background-color: tan;
    outline: 4px purple solid;
}
h1 {
    text-align: center;
}
div p {
    width: 25%;
    margin: 2px;
```

```
        float: left;
    }
    figure {
        width: 14%;
        float: left;
    }
tiny.css
/* Css file for mobile test */
body {
        margin: 0px;
        width: 100%;
        height: 1136px;
        height: 568px;
        height: 564px;
        background-color: tan;
        outline: 4px purple solid;
    }
    h1 {
        text-align: center;
    }
    div p {
        width: 25%;
        margin: 2px;
        float: left;
    }
    figure {
        width: 14%;
        float: left;
    }
```

Sat April 22, 2017

Change iphone.php; link for tiny.css to max-width of 340px

tiny.css: move picture