

Demo: Responsive

Fluid Grid

- Set container to max-width

```
.container {
    max-width: 960px;
    margin: 0 auto;
}
```
- Set widths of fixed width elements to percentages

```
.mainaside {
    width: 60%
}
```
- Add border-sizing to css (included in css reset)

```
*,
*:before,
*:after {
    margin:0;
    border: 0;
    -moz-border-sizing: border-box;
    -webkit-border-sizing: border-box;
    border-sizing: border-box;
}
```
- Set figure and img elements as percentages – the parent element (figure) controls the overall size of the image

```
figure {
    width: 40%;
}

img {
    width: 100%;
}
```
- Background css images (eye candy) are NOT responsive and need to have different sized versions (small, medium, large)
- Exception is cover-flow background images that stretch to cover the entire page

```
body {
    background: url('../img/bg.jpg') center center fixed no-repeat;
    background-size: cover;
}
```

Media Queries

- The page layout will now be responsive and when you “shrink” the browser window the page will “break” at certain browser widths – these are your “breakpoints”
- Identify break points
 - Inspect element
 - Undock inspector into separate window
 - Width and height will appear in top right of browser
 - Removed from newest version of chrome

- Use Google plug-in or inspect device view
- Write media query at bottom of css

```
/* tablet (medium) styles */  
@media only screen and (min-width:481px) and (max-width:768px) {  
    .home {  
        background: yellow;  
    }  
}/* end tablet block */
```

```
/* mobile (small) styles */  
@media only screen and (max-width:480px) {  
    .home {  
        background: green;  
    }  
}/* end mobile block */
```

Viewport

- By default mobile devices display web pages as “scale-to fit”
- Viewport disables the default mobile browser scaling
- You MUST include the viewport inside the head tag of all of your html pages in order for the media queries to work and your site to be responsive

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