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">