

Responsive Web Page Tutorial - Part 1

Create a web page & add the html below and save as index.html. Once you have added the html mark-up be sure to validate your page on the w3c validator.

```
<!doctype html>
<html lang="en" >
<head>
<meta charset="utf-8">
<title>Responsive</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
<!-- wrapper starts here -->
<div class="wrapper">
    <header>
        <h1>Responsive</h1>
    </header>
    <nav>
        <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">Products</a></li>
            <li><a href="#">About</a></li>
        </ul>
```

Responsive Web Page Tutorial - Part 1

```
</nav>
<! - - container starts here - - >
<div id="container">
  <main>
    <h1>Section</h1>
    
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed interdum egestas pellentesque. Quisque
    pretium molestie diam, in cursus dolor pulvinar quis. Pellentesque habitant morbi tristique senectus et netus et malesuada
    fames ac turpis egestas. Phasellus enim diam, porttitor sed elementum in, porta maximus lectus. Mauris volutpat enim eu
    mattis consequat. Suspendisse iaculis risus sit amet purus imperdiet consectetur. Integer varius sapien mauris. Cras
    ullamcorper, nisl et accumsan dignissim, nulla tellus rhoncus sem, at blandit est orci in eros. Fusce tempus, risus sed rhoncus
    aliquam, eros tortor aliquam magna, et feugiat justo quam sed ante. Donec lobortis odio sit amet ante molestie laoreet non
    quis neque. Donec et dolor faucibus, venenatis lectus in, tempus justo. In massa augue, blandit sed orci ut, porttitor facilisis
    orci.</p>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed interdum egestas pellentesque. Quisque
    pretium molestie diam, in cursus dolor pulvinar quis. Pellentesque habitant morbi tristique senectus et netus et malesuada
    fames ac turpis egestas. Phasellus enim diam, porttitor sed elementum in, porta maximus lectus. Mauris volutpat enim eu
    mattis consequat. Suspendisse iaculis risus sit amet purus imperdiet consectetur. Integer varius sapien mauris. Cras
    ullamcorper, nisl et accumsan dignissim, nulla tellus rhoncus sem, at blandit est orci in eros. Fusce tempus, risus sed rhoncus
    aliquam, eros tortor aliquam magna, et feugiat justo quam sed ante. Donec lobortis odio sit amet ante molestie laoreet non
    quis neque. Donec et dolor faucibus, venenatis lectus in, tempus justo. In massa augue, blandit sed orci ut, porttitor facilisis
    orci.</p>
  </main>
  <aside>
    <h1>Aside</h1>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed interdum egestas pellentesque. Quisque pretium
    molestie diam, in cursus dolor pulvinar quis. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac
    turpis egestas. Phasellus enim diam, porttitor sed elementum in, porta maximus lectus. Mauris volutpat enim eu mattis
    consequat. Suspendisse iaculis risus sit amet purus imperdiet consectetur. Integer varius sapien mauris. Cras ullamcorper, nisl et
    accumsan dignissim, nulla tellus rhoncus sem, at blandit est orci in eros. Fusce tempus, risus sed rhoncus aliquam, eros tortor
    aliquam magna, et feugiat justo quam sed ante. Donec lobortis odio sit amet ante molestie laoreet non quis neque. Donec et
    dolor faucibus, venenatis lectus in, tempus justo. In massa augue, blandit sed orci ut, porttitor facilisis orci.</p>
  </aside>
</div>
```

Responsive Web Page Tutorial - Part 1

```
        </aside>
    </div>
    <!-- container ends here -->
    <footer>Footer</footer>

</div>
<!-- wrapper ends here -->
</body>
</html>
```

Now create a CSS file & add the styles below. Save this file as styles.css

```
@charset "utf-8";

/* CSS Document */

/* box-sizing gives an element it's specified width & height excluding padding or margin */
*, *:before, *:after {
    box-sizing: border-box;
    margin:0;
    padding:0;
}
/* set all padding and margin to zero */
body{ margin:0; padding:0;}

/* set the width of the wrapper class to 90% of screen with max-width of 1366px */
div.wrapper {
    width: 90%;
    border: 1px solid gray;
    max-width:1366px;
```

Responsive Web Page Tutorial - Part 1

```
margin:0px auto;
}

/* style header & footer elements and clear any left float */
header, footer {
padding: 1em;
color: white;
background-color: black;
clear: left;
text-align: center;
margin:0px;
}

/* set width of nav to 100% with min-height value */
nav{
width:100%;
min-height:25px;
background: #B09696; }

/* remove bullet points from ul */
nav ul {
list-style-type: none;
}
/* display ul horizontally */
nav ul li{
display: inline;
}
/* remove default underline from anchor element text */
nav ul a {
text-decoration: none;
}

/* set width to auto & overflow hidden which stops the content over flowing the footer */
```

Responsive Web Page Tutorial - Part 1

```
#container{
    width: auto;
    background: #C55B5C;
    overflow: hidden;
}

/* float main element to the left, set the width and give min-height */
main {
    float: left;
    width: 75%;
    background: #C55B5C;
    min-height: 650px;
    padding:10px;
}

/* float aside element to the left (it will wrap to the side of the main element), set the width and give min-height */
aside {
    float:left;
    width:25%;
    background:#B6D978;
    min-height:650px;
    padding:10px;
}

/* float img to left (allows text to wrap around img), set width to 50% & max-width image can scale up to at 250px*/
img{
    float:left;
    width:50%;
    max-width:250px;}
```

Once you added the CSS above and saved your files view your page in the browser. It should be similar to figure 1 below.

Responsive Web Page Tutorial - Part 1

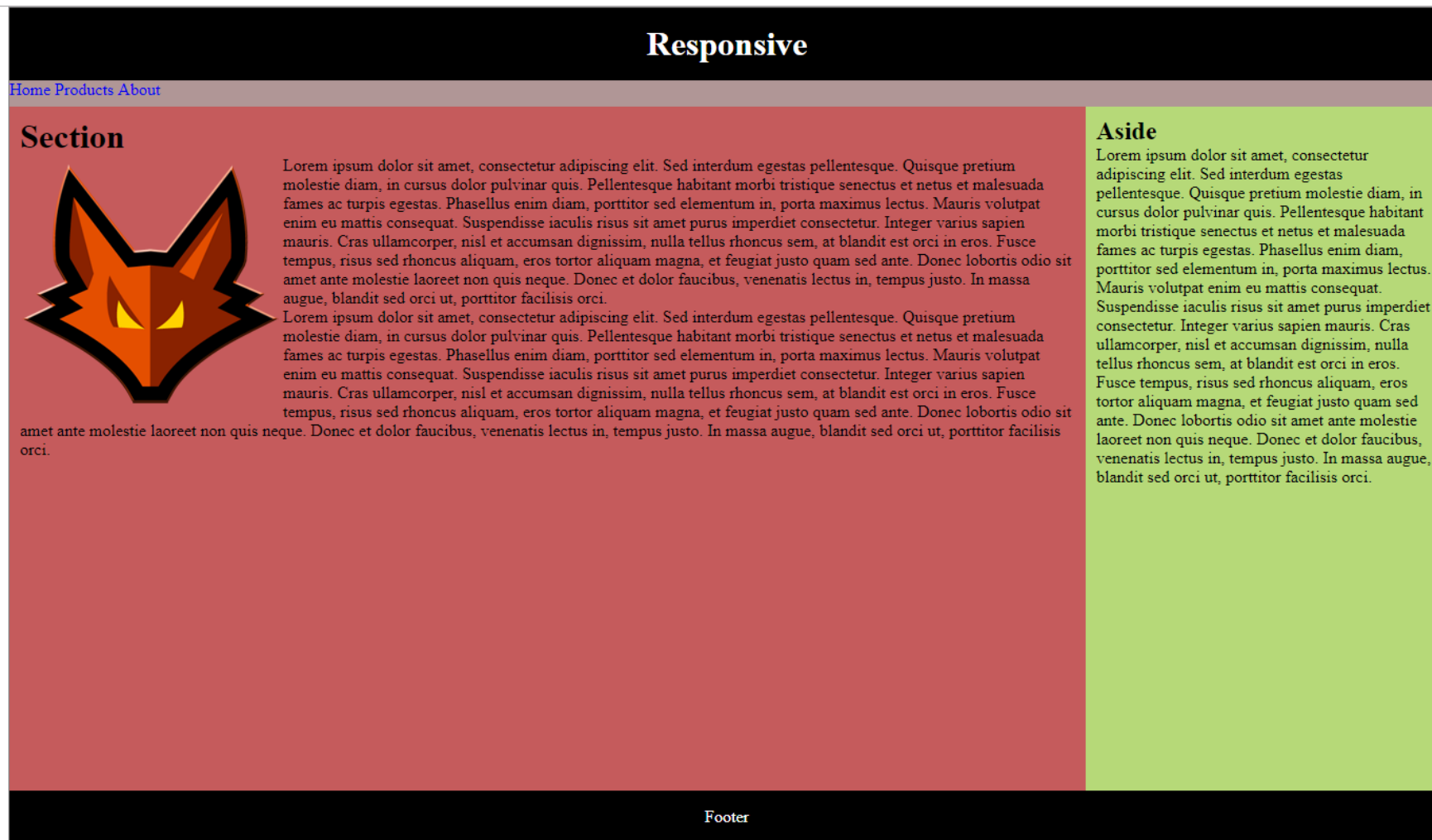


Figure 1

Responsive Web Page Tutorial - Part 1

Once you have styled page and html page validates successfully on the w3c validator, try the tasks below.

Task 1

Change the navigation hyperlink fonts and colour when the mouse hovers over the hyperlinks.

Task 2

Amend the styles of your styles.css file so that the page looks like figure 2 on the next page (white spacing between the various sections of the page).

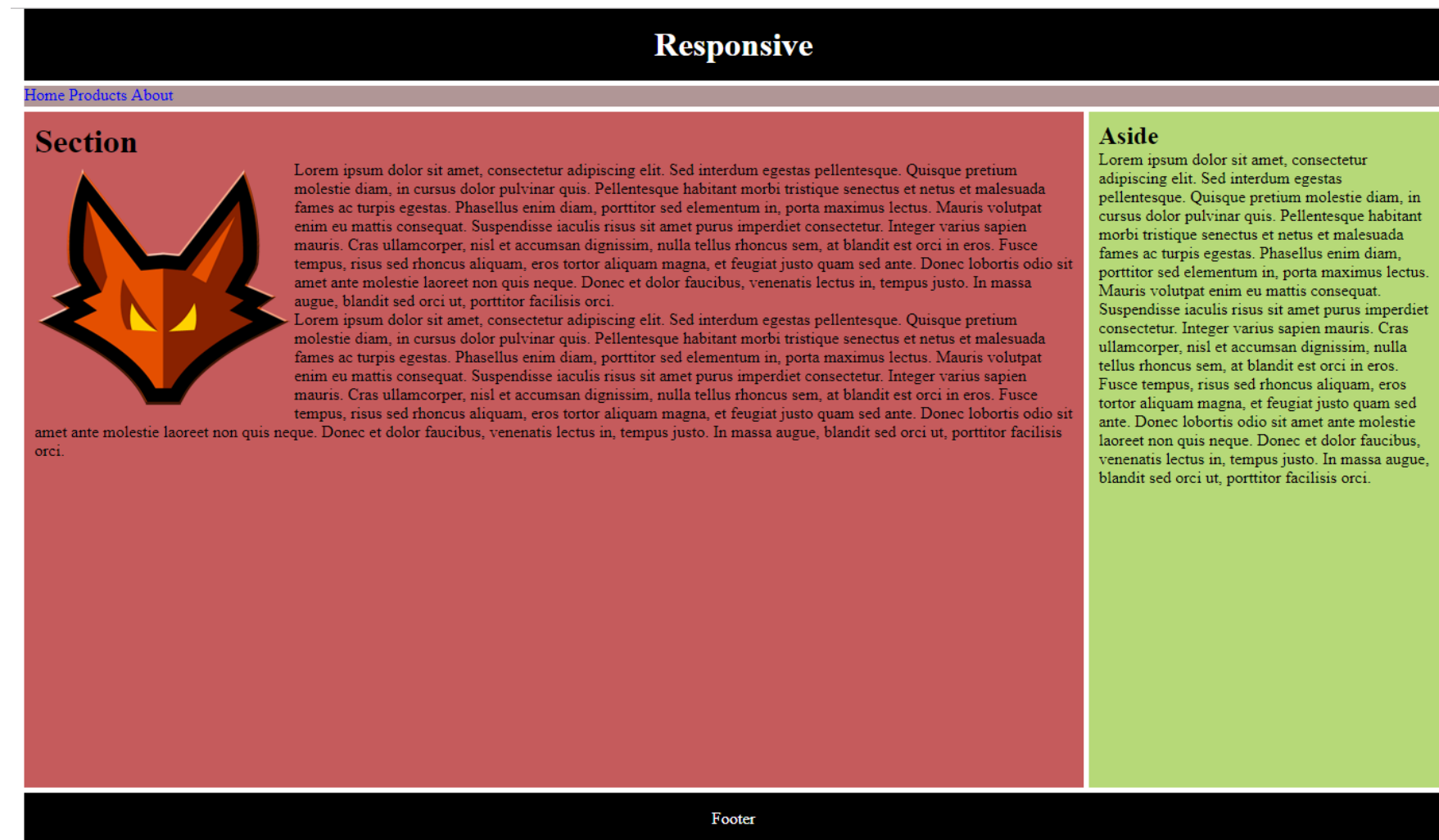


Figure 2