

`<div id="wrapper">`

`<nav></nav>`

`<header></header>`

`<article></article>`

`<footer></footer>`

`</div>`

Responsive Web One Column Approach

Responsive web design refers to a web page adapting to the screen size of the device being used to view it, whether that device is a desktop, tablet or mobile. In other words, the page responds to the user's environment.

There are two main ways to achieve responsive web design:

- Creating a separate build for mobile devices and desktops
- Using *media query* breakpoints for different size screens

Separate build



This is where there is more than one physical version of a web site, for instance, a desktop version and a *jQuery* mobile version. The separate build method requires more work. This could be used where a single set of content is not appropriate or not adaptable to differing screen sizes. Strictly speaking this method is not responsive in the true sense in that one set of content does not adapt to the viewing environment. This method uses a script, such as JavaScript or PHP, to detect the device used to access the site.

```

/*****
    base styles (mobile first)
    *****/
body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 16px;
    line-height: 22px;
    background-color: #FFF;
}
#wrapper {
    max-width: 940px;
    margin-left: auto;
    margin-right: auto;
    padding: 20px; /* prevents content going up to edge on mobile
device */
}
nav {
    width: auto;
}
header {
    width: auto;
    border-bottom-style:solid;
    border-bottom-width: 4px;
    border-bottom-color:#999;
}
article {
    width: auto;
    text-align: justify;
}
footer {
    width: auto;
    color:#FFF;
    font-size: 14px;
    background-color:#000;
    padding: 20px;
}
h1 {
    line-height: 36px; /* prevents word overlap at small width */
}
/* style for the wide image
Use this method for images constrained by a container
The image height and width attributes in the HTML can remain */
.image-1 {
    width: 100%;
    height: auto;
}

```

```

/* style for smaller image
For images not always constrained by a container.
Remove the height and width attributes from the html for this to work.
Max-height is determined by the original image size */
.image-2 {
    max-width: 100%;
    max-height: 300px;
}

/*****
    menu styles
*****/
nav ul {
    list-style-type:none;
    margin: 0;
    padding: 0;
}
nav ul li {
    float:left;
    margin-bottom:10px;
}
nav ul li a {
    font-size: 16px;
    color: #FFF;
    text-decoration:none;
    background-color: #999;
    padding: 5px 10px 5px 10px; /* top right bottom left */
}
nav ul li a:hover {
    color: #000;
    background-color: #CCC;
}
/* clearfix - to clear left float when menu wraps */
nav ul:after {
    content:"";
    display:table;
    clear: both;
}
/* end of menu */
/* end of base styles */

@media screen and (min-width: 700px) and (max-width: 959px) {
body {
    font-size: 20px;
    line-height: 26px;
    background-color: #feffca;
}
}
@media screen and (min-width: 960px) {
body {

```

```
font-size: 24px;  
line-height: 32px;  
color: #009;  
}  
}
```