


A short guide to creating multiple columns using the OOCSS style sheet

CSS Fluid Grid Frameworks

- [Columnal](#): 12 Columns, with sub-columns, based on 1140px total width. Ideal for rapid prototyping or wireframing.
- [Less Framework](#): Uses media queries to provide 4 layouts with 3 typography.
- [Skeleton.gs](#): A system based on 960px and 12 columns, uses media queries.
- [Responsive.gs](#): Simple and uses media queries to offer 12, 16 or 24 columns

A variety of systems have been devised in CSS for creating web pages with multiple columns. Most are based on a fixed width such as 960Grid. If however your aim is to create fluid web pages then a system based on percentages rather than pixels is better. Most of these systems have not taken advantage of HTML5 yet.



Responsive.gs

```
@media ( min-width : 768px ) {  
  .span_1 { width: 8.3333333333%; }  
  .span_2 { width: 16.6666666667%; }  
  .span_3 { width: 25%; }  
  .span_4 { width: 33.333333333%; }  
  .span_5 { width: 41.6666666667%; }  
  .span_6 { width: 50%; }  
  .span_7 { width: 58.333333333%; }  
  .span_8 { width: 66.6666666667%; }  
  .span_9 { width: 75%; }  
  .span_10 { width: 83.333333333%; }  
  .span_11 { width: 91.6666666667%; }  
  .span_12 { width: 100%; }  
}
```

Column widths are all defined as percentages so will work with any overall width greater than 756px. The actual width needs changing in the container class. Gutters are optionally available.

Responsive.gs Notes

- Replace container ID with container class
- Set total width in container class
- Has built in version of clearfix.
- Columns need a minimum width of 768px
- Has javascript polyfills for older browsers that do not support @media queries
- Link style sheet as last sheet
- Link in the javascript polyfills if needed.

Sidebars: <aside>

If more than one row separate divs

```
<div class="container row">

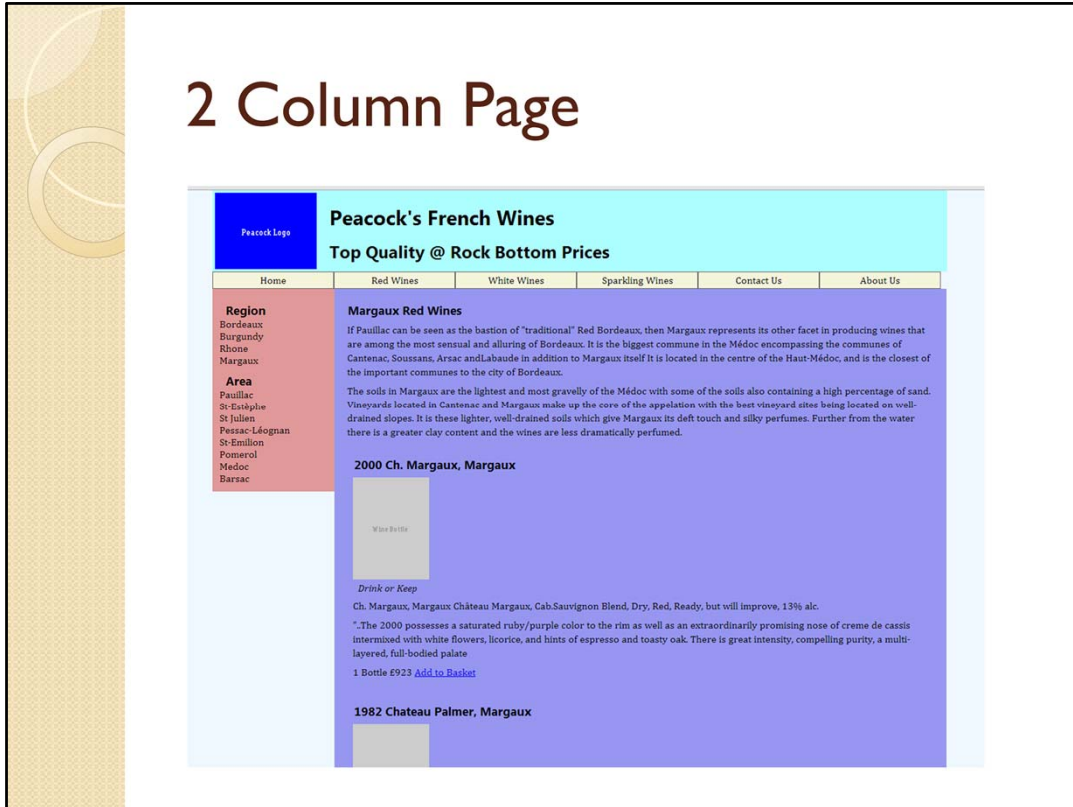
  <aside class="col span_2">
    <h2>Side Content</h2>
    <p>
      Lorem ipsum dolor sit ...
    </p>
  </aside>

  <section class="col span_10">
    <h2>The Main Page Content</h2>
    <p>
      Lorem ipsum dolor sit ...
    </p>
  </section>

</div>
```

Attach the responsive-gs-12col.css style sheet, and then add a section to the web page. To turn this section into a row (like a row in a table) add the class= "**row**" to the section tag. In this case we are creating two columns in the row, a sidebar using the <aside> tag, and the main contents using another <section>

Each column apart from the last needs to have the **col** class attached. In order to set the size of each column in this case the first column also has the span_2 class attached, and the second column has the span_10 class attached. Thus the first column will be 16.67% the width of its container, and the second column will be 83.33% the width.



The end result looks as shown above.

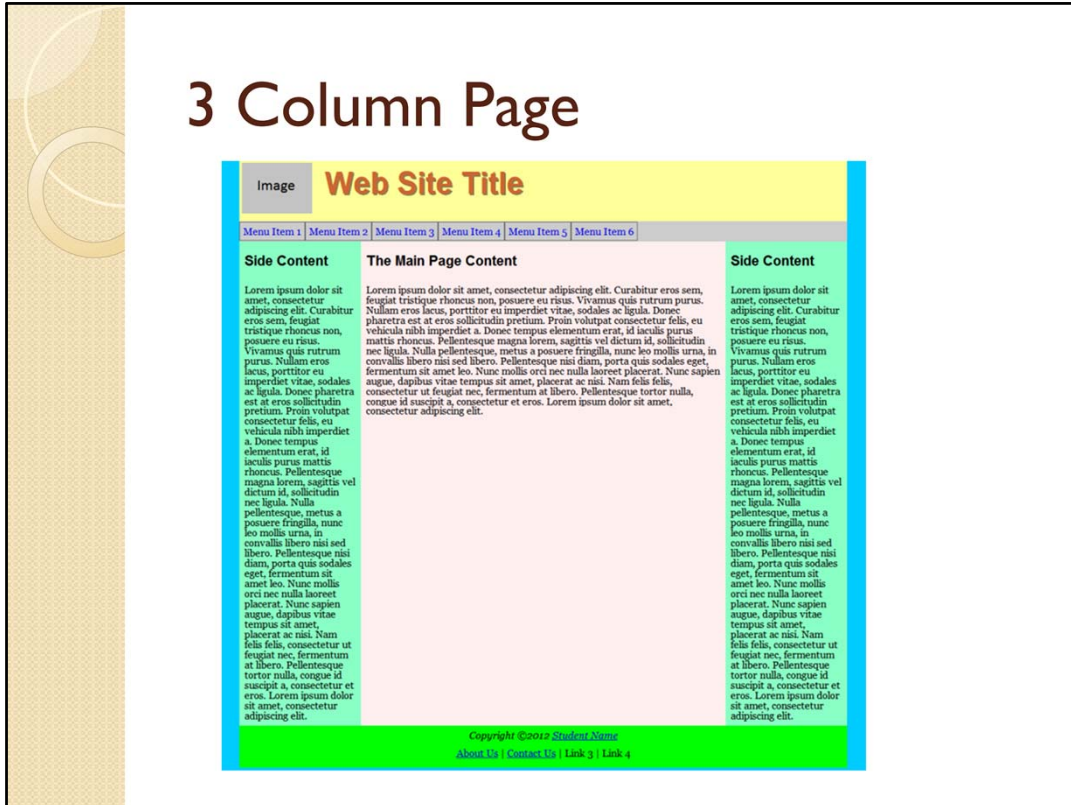
3 Column Page

```
<section class="row">

  <aside class="col span_2">
    <h2>Side Content</h2>
  </aside>
  <section class="col span_8">
    <h2>The Main Page</h2>
  </section>
  <aside class="col span_2">
    <h2>Side Content</h2>
  </aside>

</section>
```

In this example a third column has been added using a second `<aside>` tag. The two asides are set to **span_2** (16.67%) and the middle column is set to **span_8** (66.67%)

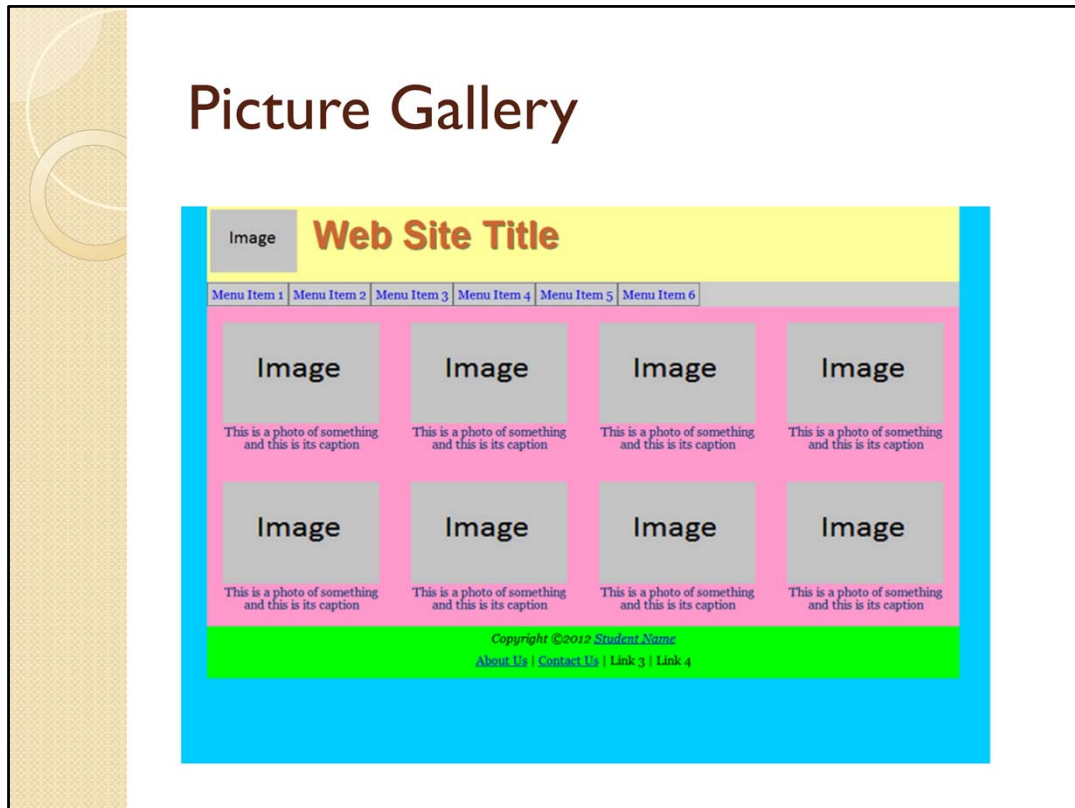


The result of setting three columns is shown above.

Picture Gallery

```
<section class="row">
  <article class="col span_3">
    <figure>
      
      <figcaption>This is ...</figcaption>
    </figure>
  </article>
  ...
  <article class="col span_3">
    <figure>
      
      <figcaption>This is ...</figcaption>
    </figure>
  </article>
</section>
```

In this example four `<article>` tags have been used with each one set to `size1of4`. Inside each `article` is a `figure` inside the figure is an image or photo. The two inside articles are not shown in the slide. To create a photo gallery many rows can be added.



This slide shows the result of adding two rows of four articles each of which has one photo in a figure with a caption.

Fluid Images


- Prepare images to maximum display size
- Add images to the HTML without any size specified
- Add CSS to control maximum and proportional size.

```
article figure
{
  float:left;
  width:15%;
  max-width:120px;
}
```

Browser View

```
input[type=text]
{
  width:40px;
  border: solid thin black;
  text-align:center;
}
```

2000 Ch. Margaux, Margaux
 Ch. Margaux, Margaux Château Margaux, Cab.Sauvignon Blend, Dry, Red, Ready, but will improve, 13% alc.



"The 2000 possesses a saturated ruby/purple color to the rim as well as an extraordinarily promising nose of creme de cassis intermixed with white flowers, licorice, and hints of espresso and toasty oak. There is great intensity, compelling purity, a multi-layered, full-bodied palate

1 Bottle £923.00 [Add to Basket](#)

Drink or Keep

```
.wine-summary
{
  color:blue;
  margin-bottom:1.0em;
  font-size:0.9em;
}
.purchase-summary
{
  float:right;
}
```

```
.price, .basket
{
  margin-right:1.0em;
}
.basket
{
  background-color:wheat;
  padding:4px;
  border: solid thin black;
}
```

Using Classes

```
<article class="row">
  <h2>2004 Ch. Giscours, Margaux</h2>
  <figure>
    
    <figcaption>Keep</figcaption>
  </figure>
  <p class="wine-summary">
    Ch. Giscours, Margaux Château Giscours, Cab.Sauvignon Blend
  </p>
  <p>
    In 2004 Giscours has produced a restrained and precise exam
  </p>
  <p class="purchase-summary">
    <span class="price">1 Bottle £52.00</span>
    <span class="basket"><a href="#">Add to Basket</a></span>
    <input id="Quantity3" value="1" type="text" />
  </p>
</article>
```

Colour Palettes

- **Color Scheme Designer**: 6 schemes with control on saturation and brightness

Color Palette by Color Scheme Designer


Palette URL: <http://colorshemesdesigner.com/#0421TbrE8w0w0>
Color Space: RGB;

Primary Color:	FFADA4 FFADA4	BF918C BF918C	A64035 A64035	FFC1BB FFC1BB	FFD2CD FFD2CD
Complementary Color:	87D398 87D398	749E7D 749E7D	2C8940 2C8940	AAE9B8 AAE9B8	BBE9C5 BBE9C5

Primary Color:					
Complementary Color:					

Selecting a colour scheme for a web site is not easy. There are however web sites whose sole purpose is to assist in that process. After selecting a scheme the web sites allow you to view the result as shown on the next slide.

Using the Palette



Peacock's French Wines

Top Quality @ Rock Bottom Prices

Home
Red Wines
White Wines
Sparkling Wines
Contact Us
About Us

Region
Bordeaux
Burgundy
Rhône
Margaux

Area
Pauillac
St-Estèphe
St-Julien
Pessac-Léognan
St-Emlion
Pomerol
Médoc
Barsac

Margaux Red Wines

If Pauillac can be seen as the bastion of "traditional" Red Bordeaux, then Margaux represents its other facet in producing wines that are among the most sensual and alluring of Bordeaux. It is the biggest commune in the Médoc encompassing the communes of Cantenac, Soussans, Arsac and Labaude in addition to Margaux itself. It is located in the centre of the Haut-Médoc, and is the closest of the important communes to the city of Bordeaux.

The soils in Margaux are the lightest and most gravelly of the Médoc with some of the soils also containing a high percentage of sand. Vineyards located in Cantenac and Margaux make up the core of the appellation with the best vineyard sites being located on well-drained slopes. It is these lighter, well-drained soils which give Margaux its deft touch and silky perfumes. Further from the water there is a greater clay content and the vines are less dramatically perfumed.

2000 Ch. Margaux, Margaux

Ch. Margaux, Margaux Château Margaux, Cab.Sauvignon Blend, Dry, Red, Ready, but will improve, 13% alc

"The 2000 possesses a saturated ruby/purple color to the rim as well as an extraordinarily promising nose of creme de cassis intermixed with white flowers, licorice, and hints of espresso and toasty oak. There is great intensity, compelling purity, a multi-layered, full-bodied palate

1 Bottle £923.00 [Add to Basket](#)

Drink or Keep

2004 Ch. Giscours, Margaux

Ch. Giscours, Margaux Château Giscours, Cab.Sauvignon Blend, Dry, Red, Ready, but will keep, 12.5% alc

In 2004 Giscours has produced a restrained and precise example. Powerful yet sophisticated, densely fruited yet refined, this is one of the most masculine wines of the Margaux appellation. I think 2004 is a seriously under-rated vintage and it's in a style that I like, with cool elegant fruit a structure which allows the terroir to shine through.

1 Bottle £52.00 [Add to Basket](#)

Keep

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DMU HND Computing 2013 CTEC2402 Software Development Project





The result of selecting a colour scheme using the **Color Scheme Designer** web site.