

# CGS 3175: Internet Applications Fall 2009

## Basic Page Layouts – Part 3

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# A Three-Column Fixed-Width Layout

- A three-column fixed-width layout works in the same way as the two-column version.
- The only additional work is to add another column `<div>` element into the markup, float it like the other columns, and then share the 100% overall width among the three columns to our preference.
- I called the third column the `promo` column, although you can call it anything you'd like.
- The main changes to the stylesheet that pertains to the layout are shown on the next page. I also added a few additional styles for the promo area in the text and colors stylesheet (see the actual files for the specific additions).



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two\_column\_liquidCSS.css two\_column\_liquid layout.html two\_column\_fixed\_widthCSS.css three\_column\_fixed\_widthCSS.css

```
1  /* CSS Stylesheet for wThree Column Fixed Width Layout */
2  /* filename: three_column_fixed_widthCSS.css */
3  #main_wrapper {
4      width:840px; /* widths of columns will change proportionately as this width is changed */
5      margin-left:auto; /* centers layout in browser */
6      margin-right:auto; /* centers layout in browser */
7      text-align:left; /* resets the centering hack for IE6 on the body tag */
8  }
9  #header { text-align: center;
10 }
11 #nav {
12     width:18%; /* this width + (content + promo) width must total 100% */
13     float:left; /* floats on nav, content, and promo divs make them sit side by side */
14 }
15 #content {
16     float:left; /* floats on nav, promo, and content divs make them sit side by side */
17     width:60%; /* this width + (nav + promo) width must total 100% */
18     top:0px;
19 }
20 #promo {
21     width:22%; /*this width + (nav + content) width must total 100% */
22     float:left; /*floats on nav, content, and promo divs make them sit side by side */
23 }
```

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# A Three-Column Fixed Width Layout

- The only change to the markup is to include the `<div>` element for the third column and to place the desired content into the column.
- For this example, I just added some more navigation link and a couple of icons that should be familiar to you. The additional markup is shown on the next page.
- As you can see on the next page, the promo `<div>` element sits in the markup after the content `<div>` and before the footer `<div>` elements.
- All markup and CSS are on the course webpage for this layout.



```
C:\Courses\CGS 3175 - Internet Applications\Fall 2009\example code - new\Basic Page Layout - Part 3\three column fixed width layout.html - Notepad++
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three_column_fixed_widthCSS.css three column fixed width layout.html text_n_colorsCSS.css 3_col.css text_n_colors.css
64         </p>
65     </div><!-- end content_inner -->
66 </div><!-- end content -->
67
68 <!-- promo -->
69 <div id="promo">
70     <div id="promo_inner">
71         <ul>
72             <li><a href="#">Nav item 1</a></li>
73             <li><a href="#">Nav item 2</a></li>
74             <li><a href="#">Nav item 3</a></li>
75         </ul>
76          <!--end promo_inner -->
79 </div><!--end promo -->
80
81 <!-- footer -->
82 <div id="footer">
```



Three-Column Fixed Width Layout - Opera

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## A Three-Column Fixed Width Layout

[Nav item 1](#)  
[Nav item 2](#)  
[Nav item 3](#)  
[Nav item 4](#)  
[Nav item 5](#)

### About This Layout

This page is styled with CSS. It demonstrates a float-based three-column layout with fixed width.

### The Concept

The five structural <div> elements — header, nav, content, promo and footer — nest inside a fixed width containing <div>. The three columns, nav, content and promo, are sized with percentages and are floated so they sit side by side. The footer is cleared so it sits beneath whichever of the floated columns is longest.

Auto left and right margin settings are applied to the fixed-width containing <div>, which makes the layout center in a wide browser window.

### The Files

This example uses two CSS files to style the page:

1. [three\\_column\\_fixed\\_widthCSS.css](#)
2. [text\\_n\\_colorsCSS.css](#)

The XHTML markup file is called:

- [three column fixed width layout.html](#)

Note: Inner <div> elements inside each of the five main <div> elements allow padding and borders to be applied without affecting the width of the main structural <div> elements.

[Nav item 1](#)  
[Nav item 2](#)  
[Nav item 3](#)



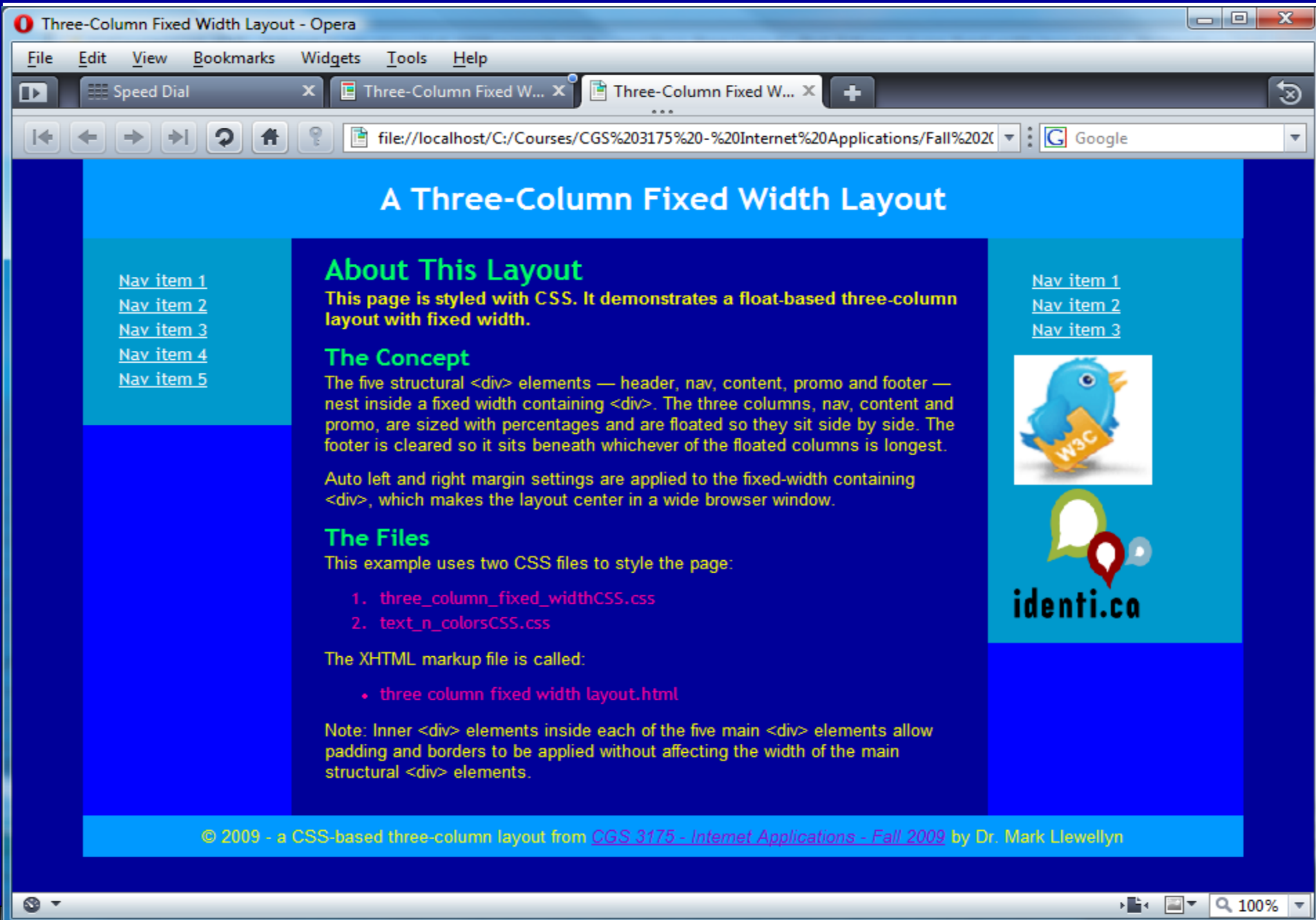
© 2009 - a CSS-based three-column layout from [CGS 3175 - Internet Applications - Fall 2009](#) by Dr. Mark Llewellyn



# A Modification To The CSS

- To illustrate how easy it is to achieve an entirely different presentation to the color scheme of your layout, I modified the `text_n_colorsCSS` file to include definitions for a different color scheme that is varying shades of blue.
- Since we created the markup with the entire body of the document being styled with a single class, it means that we only need to modify a single line in our markup to achieve the effect shown on the next page.
- The modified (actually, additional) CSS is shown on pages 9-XX.





C:\Courses\CGS 3175 - Internet Applications\Fall 2009\example code - new\Basic Page Layout - Part 3\text\_n\_colorsCSS.css - Notepad++

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text\_n\_colorsCSS.css three column fixed width layout.html three\_column\_fixed\_widthCSS.css

```
108
109 /* CLASS: BLUE TAG STYLES - font sizes, margins, padding, etc. */
110 /* NOTE: text colors follow below */
111 body.blue {background-color:#009;} /* was 03F, then FFF */
112 .blue #main_wrapper {background-color:#00F;} /*was D7CFE6 */
113 .blue #header {background-color:#09F;} /* was 5E458A */
114 .blue #nav {background-color:#09C;} /*was 30F, then AA559A */
115 .blue #content {background-color:#009;} /*was 03F, then FFF */
116 .blue #promo {background-color:#09C;} /*was 6430BF */
117 .blue #footer {background-color:#09F;} /*was 3FF, then E6CFE1 */
118
119 h1, h2, h3, h4, h5, h6, ul, ol, dl {
120     font-family: 'Trebuchet MS', Verdana, serif;
121 }
122 /* CLASS:blue TEXT COLORS */
123 .blue h1 {
124     color:#FFF; /* was 993300, then E6CFE1 */
125 }
126 .blue h2, .blue h3, .blue h4, .blue h5 {
127     color:#0F6; /*was BF30A4 */
128 }
129 .blue h3 {
```

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text\_n\_colorsCSS.css three column fixed width layout.html three\_column\_fixed\_widthCSS.css

```
129 .blue h3 {
130     color:#3FF; /*was E6CFE1*/
131 }
132 .blue h6 {
133     color:#000000;
134 }
135 .blue p {
136     color:#FF0; /*was 0F0, then 574080*/
137 }
138 .blue ul, .blue ol, .blue dl, .blue blockquote, .blue cite {
139     color:#F09; /* was 90C, then 6430BF */
140 }
141 .blue cite {
142     color:#FFF;
143 }
144 .blue #nav ul, .blue #nav a {
145     color:#FFF;
146 }
147 .blue #promo_inner ul, .blue #promo_inner a {
148     color:#FFF;
149 }
150 .blue table, .blue form {
```

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C:\Courses\CGS 3175 - Internet Applications\Fall 2009\example code - new\Basic Page Layout - Part 3\text\_n\_colorsCSS.css - Notepad++

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text\_n\_colorsCSS.css three\_column\_fixed\_width\_layout.html three\_column\_fixed\_widthCSS.css

```
150 .blue table, .blue form {
151     color: #90C; /* was 6430BF */
152 }
153 .blue a {
154     color: #90C; /* was 6430BF */
155 }
156 .blue a: hover {
157     color: #AA559A; /* was AA559A */
158 }
159 .blue #nav a: hover {
160     color: #E6CFE1; /* was E6CFE1 */
161 }
162 .blue #promo_inner a: hover {
163     color: #E6CFE1; /* was E6CFE1 */
164 }
165
166
167
168 /* FONT SIZES */
```

Cascade Style Sheets File nb char: 4764 nb line: 217 Ln: 117 Col: 57 Sel: 0 Dos\Windows ANSI INS