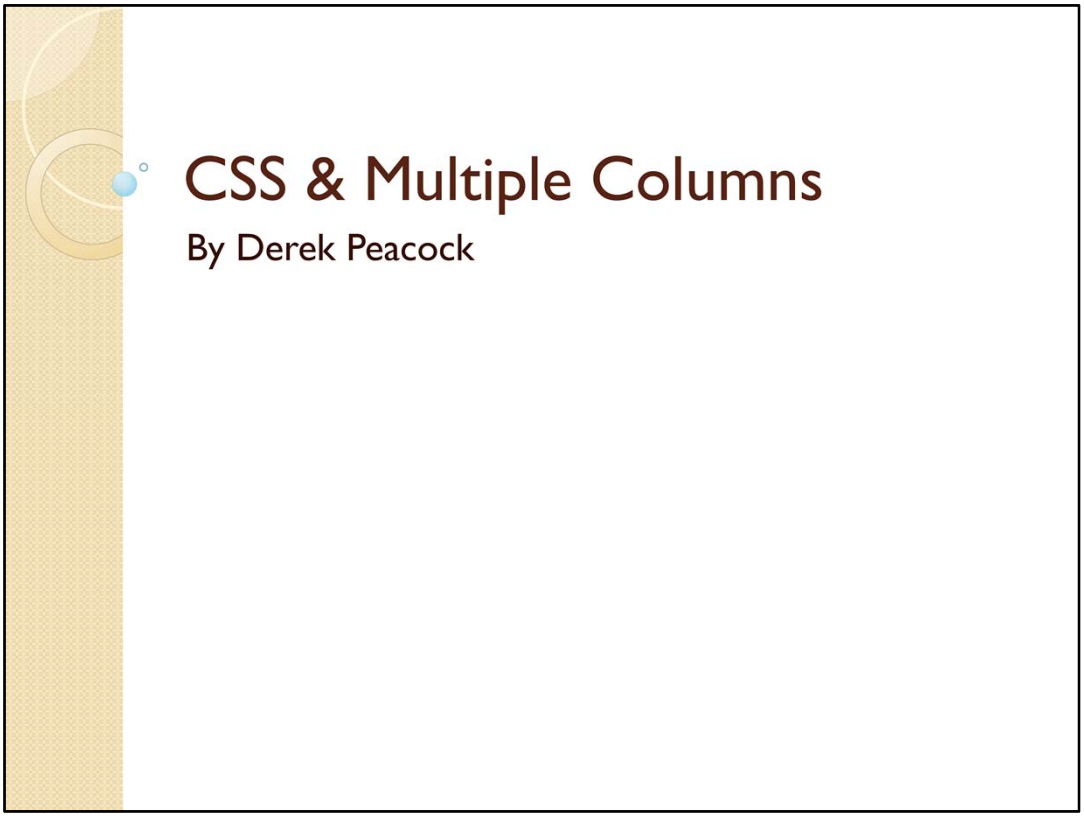
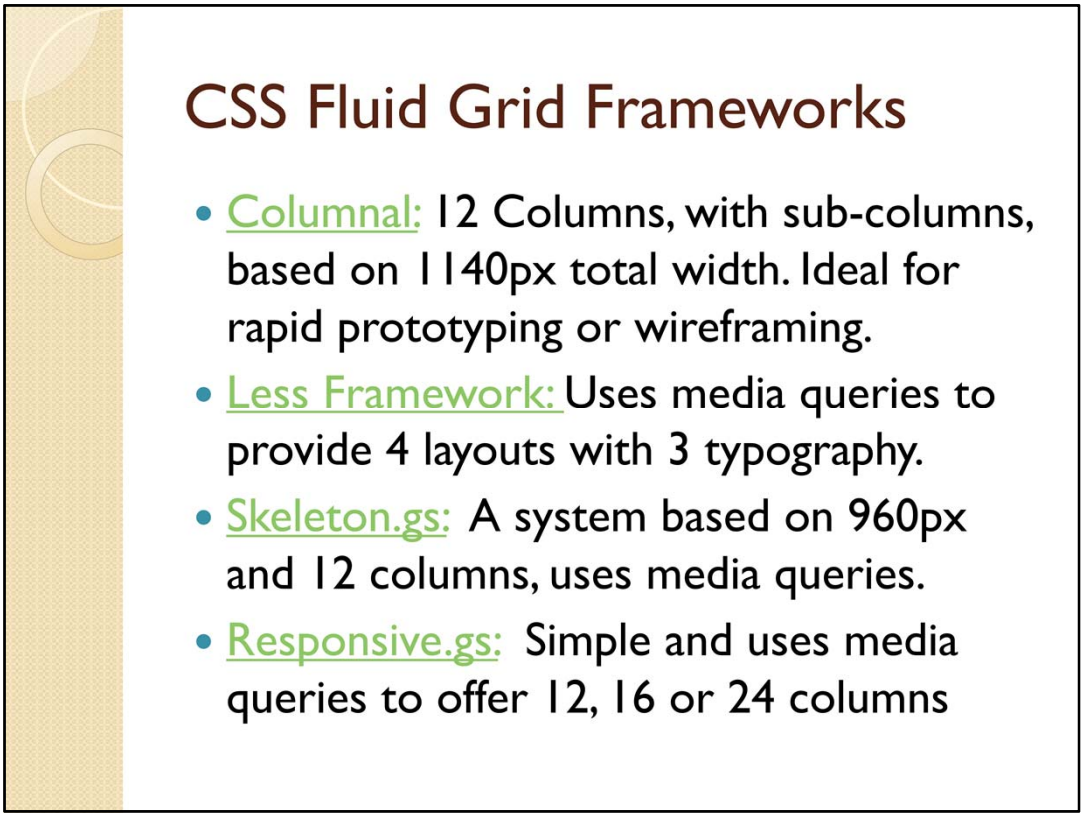


A short guide to creating multiple columns using the OOCSS style sheet



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

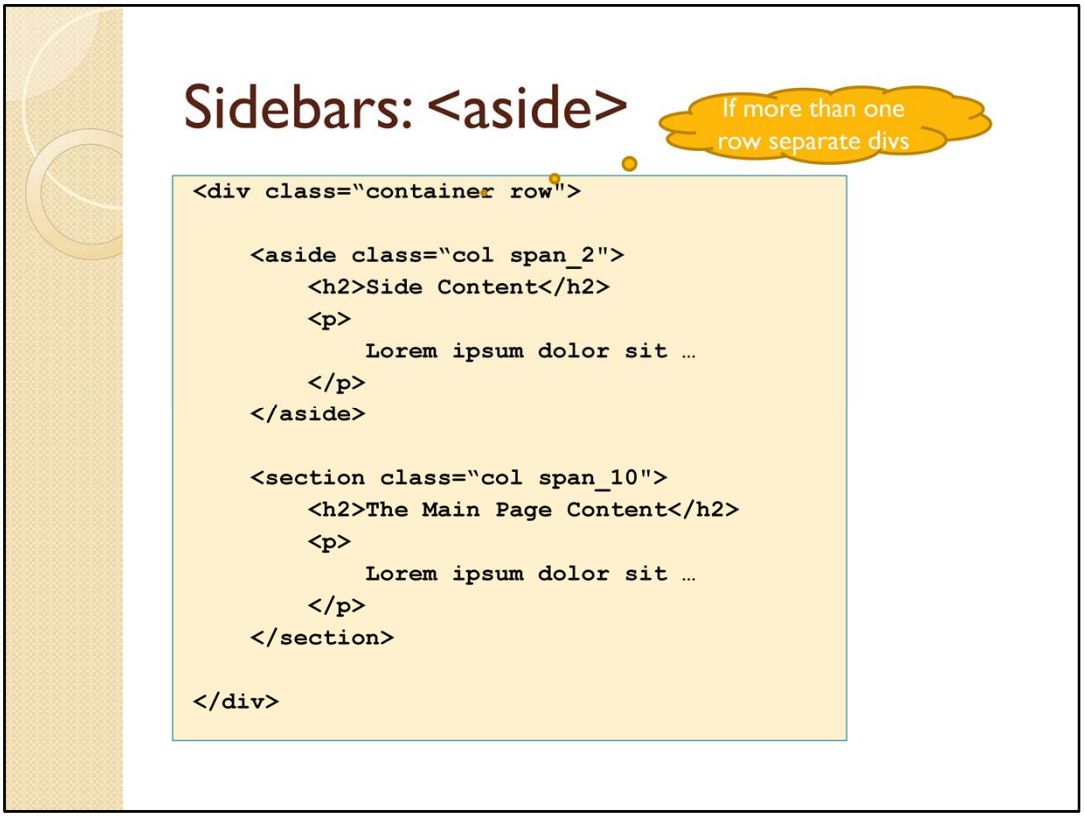
Responsive.gs

```
@media ( min-width : 768px ) {
        .span_1 { width: 8.33333333333%; }
        .span_2 { width: 16.6666666667%; }
        .span_3 { width: 25%; }
        .span_4 { width: 33.3333333333%; }
        .span_5 { width: 41.6666666667%; }
        .span_6 { width: 50%; }
        .span_7 { width: 58.3333333333%; }
        .span_8 { width: 66.6666666667%; }
        .span_9 { width: 75%; }
        .span_10 { width: 83.3333333333%; }
        .span_11 { width: 91.6666666667%; }
        .span_12 { width: 100%; }
}
```

Column width 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.

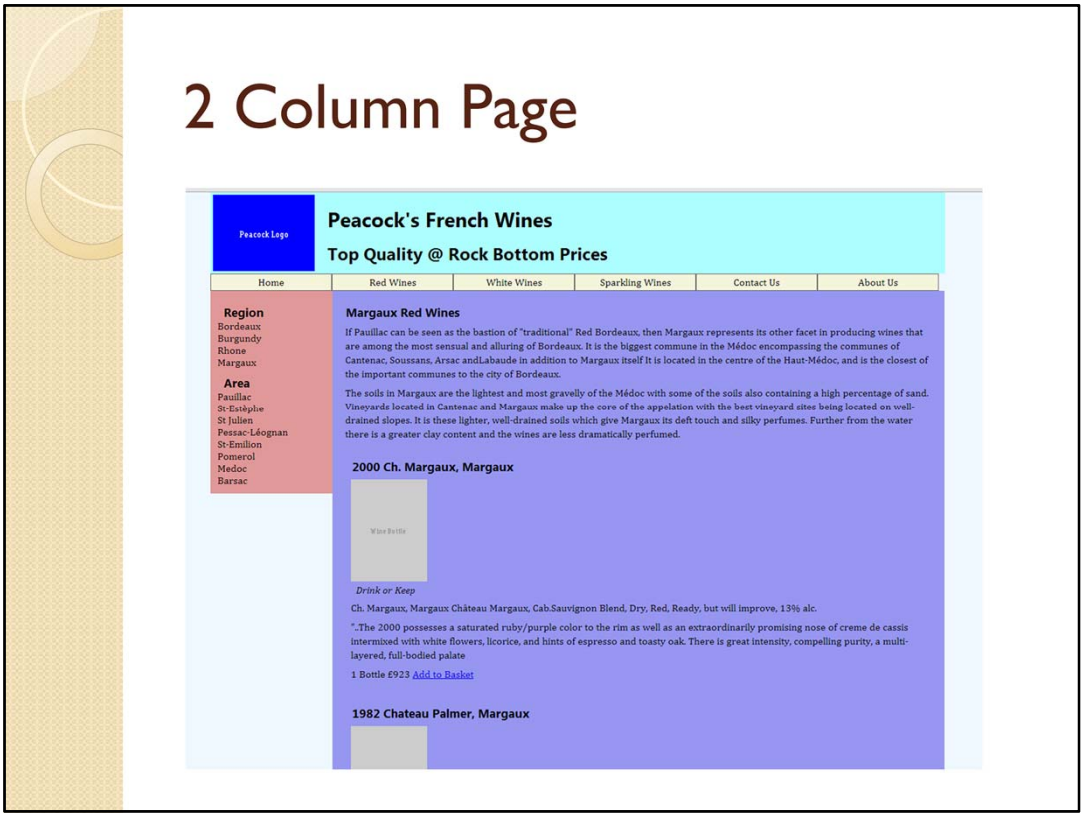
Responsive.gs Notes

- 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.



Attach the reponsive-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.

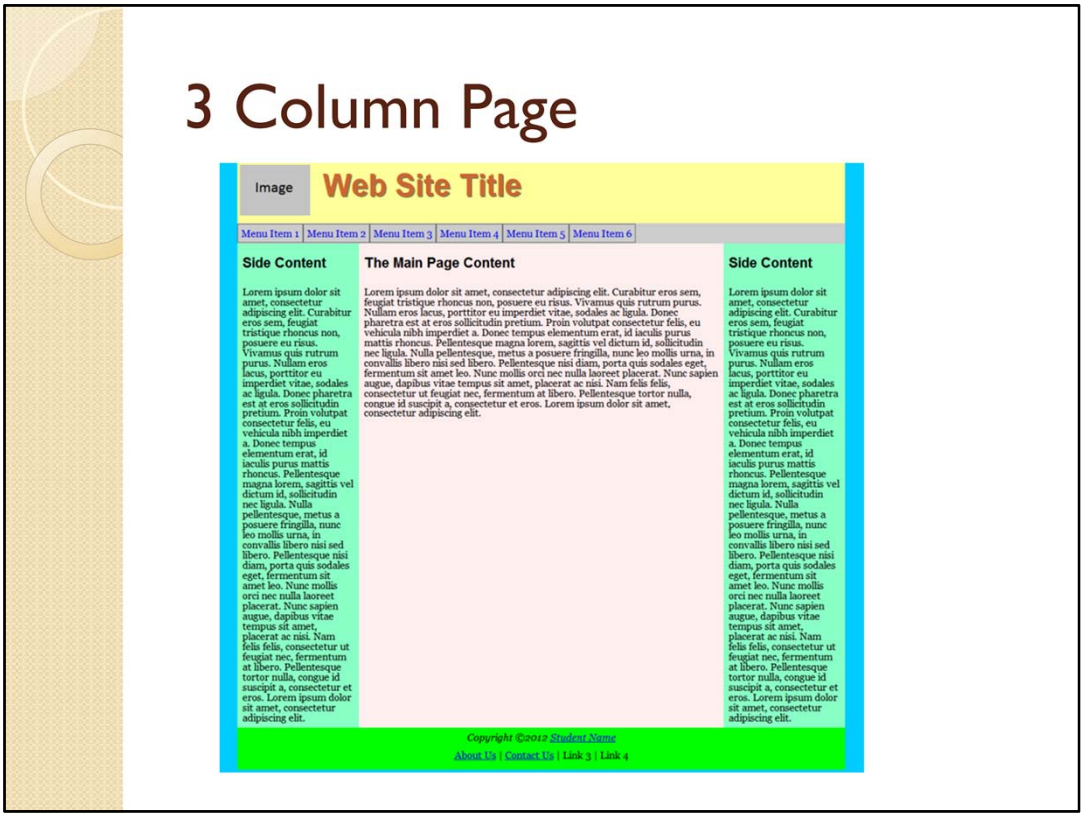
3 Column Page

```
<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%)

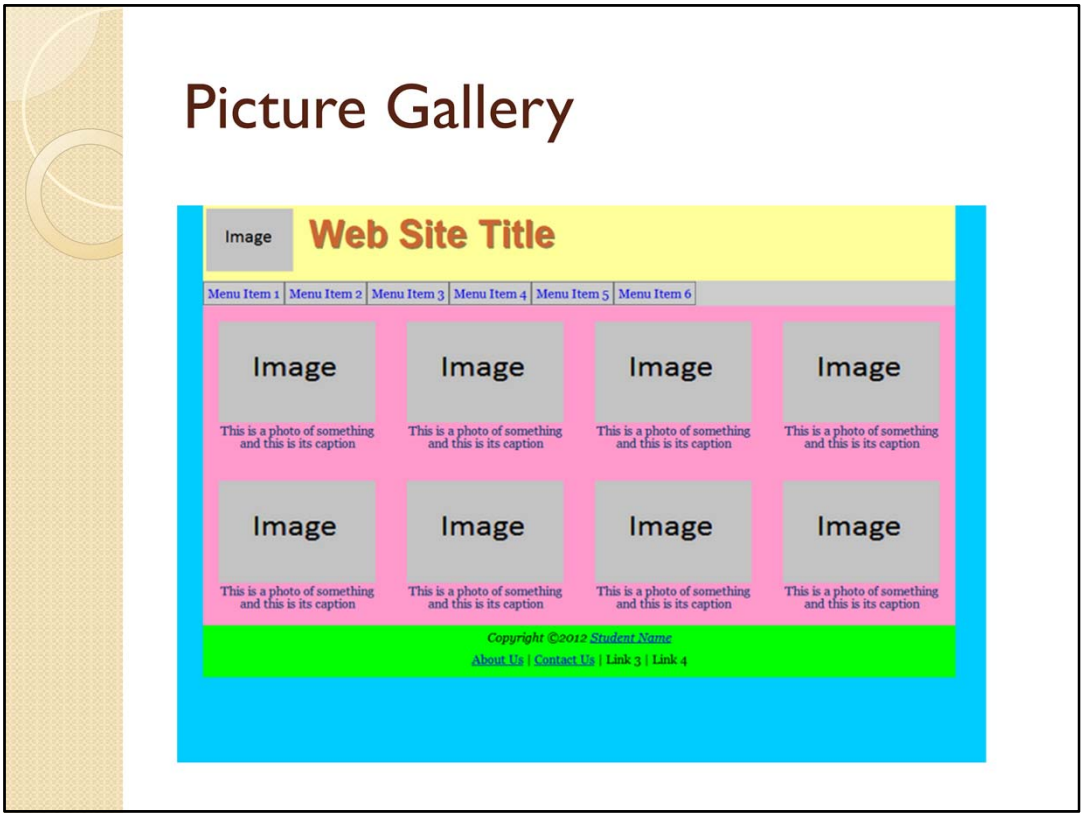


The result of setting three columns is shown above.

Picture Gallery

```
<section class="row">
    <article class="col span_3">
        <figure>
            <img src="PlaceHolder.png">
            <figcaption>This is ...</figcaption>
        </figure>
    </article>
...
    <article class="col span_3">
        <figure>
            <img src="PlaceHolder.png">
            <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 shonw 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

Drink or Keep

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 1

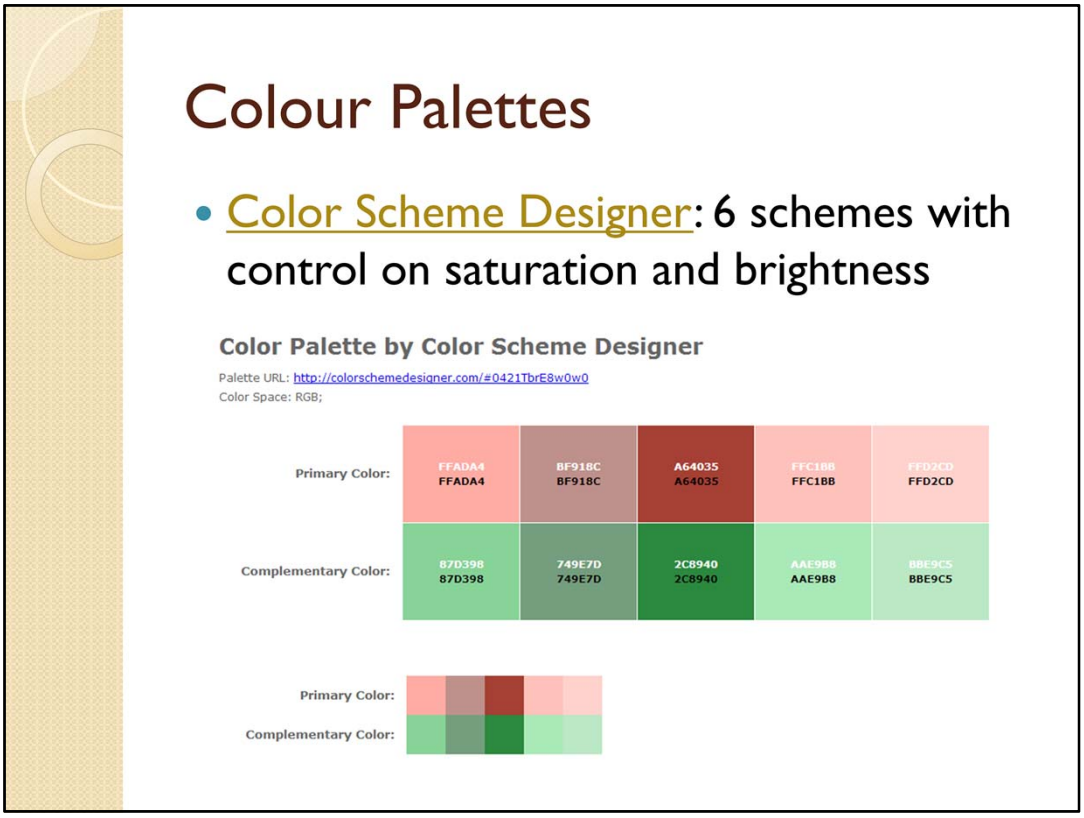
```
.wine-summary
{
    color:blue;
    margin-bottom:1.0em;
    font-size:0.9em;
}
.purchase-summary
{
    float:right;
}
```

```
.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>
        <img src="http://placehold.it/120x160&text=Wine Bottle">
        <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>
```



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

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