

















CSS 2.1 color palette function for ColdFusion

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Yesterday I wrote a simple function for an upcoming post on working with defined color palettes. The palette of **CSS 2.1 colors** is small and useful for examples and could also be useful for form validation of a color field.

The following table was easily generated using **GetCSS21Colors** and **HexToRGB** from my previous post.

Name	Color	Hex	RGB
BLUE		#0000FF	(0, 0, 255)
WHITE		#FFFFFF	(255, 255, 255)
FUCHSIA		#FF00FF	(255, 0, 255)
MAROON		#800000	(128, 0, 0)
GREEN		#008000	(0, 128, 0)
AQUA		#00FFFF	(0, 255, 255)
OLIVE		#808000	(128, 128, 0)
NAVY		#000080	(0, 0, 128)
SILVER		#C0C0C0	(192, 192, 192)
YELLOW		#FFFF00	(255, 255, 0)
BLACK		#000000	(0, 0, 0)
LIME		#00FF00	(0, 255, 0)
ORANGE		#FFA500	(255, 165, 0)
PURPLE		#800080	(128, 0, 128)
RED		#FF0000	(255, 0, 0)
GRAY		#808080	(128, 128, 128)

```
<cfset qColors = getCSS21Colors(resultType: 'query')>
<table>
  <thead>
    <th>Name</th>
    <th>Color</th>
    <th>Hex</th>
    <th>RGB</th>
  </thead>
  <cfoutput query="qColors">
    <cfset myrgb = HexToRGB(color)>
    <tr>
      <td>#name#</td>
      <td><div style="background: #color#; height: 20px; width: 100px;"></div></td>
      <td>#color#</td>
      <td>
        (#myrgb.r#, #myrgb.g#, #myrgb.b#)</td>
    </tr>
  </cfoutput>
</table>
```

The **GetCSS21Colors** function will return **CSS 2.1 colors** and color names.

```
<cffunction name="GetCSS21Colors" access="public" output="false" hint="returns 17 colors as defined by CSS 2.1" returnType="array">
  <cfargument name="resultType" type="string" required="false" default="query" hint="query, list, struct">

  <cfset var colors = structNew()>
  <cfset var qColors = "">
  <cfset var color = "">
  <cfset var retVal = "">

  <!-- http://www.w3.org/TR/CSS21/syntax.html#color-units -->
```

```
<cfset colors.black = "#000000">
<cfset colors.silver = "#C0C0C0">
<cfset colors.gray = "#808080">
<cfset colors.navy = "#000080">
<cfset colors.blue = "#0000FF">
<cfset colors.aqua = "#00FFFF">
<cfset colors.teal = "#008080">
<cfset colors.purple = "#800080">
<cfset colors.fuchsia = "#FF00FF">
<cfset colors.white = "#FFFFFF">
<cfset colors.lime = "#00FF00">
<cfset colors.green = "#008000">
<cfset colors.maroon = "#800000">
<cfset colors.red = "#FF0000">
<cfset colors.orange = "#FFA500">
<cfset colors.yellow = "#FFFF00">
<cfset colors.olive = "#808000">

<cfswitch expression="#resultType#">
  <cfcase value="struct">
    <!-- return struct -->
    <cfset retVal = colors>
  </cfcase>
  <cfcase value="list">
    <!-- return list -->
    <cfloop collection="#colors#" item="color">
      <cfset retVal = ListAppend(retVal, colors["#color#"], ',')>
    </cfloop>
  </cfcase>
  <cfdefaultcase>
<!-- return query -->
<cfset qColors = queryNew("name, color")>
  <cfloop collection="#colors#" item="color">
    <cfset queryAddRow(qColors)>
    <cfset querySetCell(qColors, 'color', colors["#color#"])>
    <cfset querySetCell(qColors, 'name', color)>
  </cfloop>
  <cfset retVal = qColors>
</cfdefaultcase>
</cfswitch>

<cfreturn retVal>
</cffunction>
```