



## RGB Dynamic Color Palette Help

### **About:**

RGB Dynamic Color Palette Version 1.0.0

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RGB Dynamic Color Palette application is a RGB color and legacy QB color codes picker application. The QB codes are internet browser standards and are great any website graphic control as RGB converted index codes. RGB Dynamic Color Palette, dynamically generates Red (R), Green (G), and Blue (B) visual color codes and visual graphics as a substitution to the hard to use static color Hume picker for the fine desired colors within the color pallet, color band for the graphics artist and the programmer.

See the application images for graphic details at end of the help document; the application definitions in this help document.

### **Controls:**

See Image1, Embedded Syntax Translator GUI Interface.

#### **About:**

Gives an application summary about description.

#### **Help:**

There are three toolbar pull downs; Website, Local & License.

#### **Website:**

Selecting Website will load <https://softglue.net> into the browser to contact softglue for help, view this help document and FAQ's on line. There are no FAQ's for Constitution & Ethics application. It's self-explanatory and all FAQ's are answered in this help document.

#### **Local:**

Selecting Local will load this help file into the PC's default pdf reader for reading.

#### **License:**

Selecting License will load the softglue user license into wordpad for reading.

### **RGB Slider Bars:**

There are three slider bars; Red (R), Green (G), and Blue (B). These slider bars move independently, and each spans the entire RGB index range of 0 to 255 each. As the scroll bar moves for each, the resulting color is displayed in the RGB Raw Color boxes labeled R, G and B vertically in the application window with their RGB indexes displayed at the end of the sliders, and the sum color of all three red, green and blue sliders is displayed in the RGB Color larger box.



**Red (R), Green (G), & Blue (B) Boxes:**

These color boxes displays the individual RGB colors of each RGB slider movement or RGB Index input.

**RGB Color:**

The RGB Color box is a dynamic color pallet. The RGB Color is the result color of all three individual color RGB sliders or RGB Index user inputs, and changes dynamically as the Red, Green and Blue colors change.

**QB Colors:**

QB colors are legacy video display colors from 16-bit operating systems, and have indexes from 0 to 15. The QB colors are the prime colors of current 64-bit RGB colors within small pixel error differences. It is assumed by the RGB color Code Scale application that these pixel errors are small enough to ignore, and that the RBG colors are equivalent to the 16 RGB prime colors, and the RGB equivalent colors are displayed in the RGB color boxes, the RGB sliders are moved to the corresponding RGB index when the user clicks on a QB color code. The QB color code index is displayed in the QB color box when clicked.

See Table 1 below for the QB colors, and the QB color code indexes to RGB color code indexes.

**Table 1:**

**QB Color Codes to RGB Color Codes**

Number	Color	RGB Code	Number	Color	RGB Code
0	Black	0,0,0	8	Gray	128,128,128
1	Blue	0,0,128	9	Light Blue	0,255,0
2	Green	0,128,0	10	Light Green	0,255,0
3	Cyan	0,128,128	11	Light Cyan	0,255,255
4	Red	128,0,0	12	Light Red	255,0,0
5	Magenta	128,0,128	13	Light Magenta	255,0,255
6	Yellow	128,128,0	14	Light Yellow	255,255,0
7	White / Silver	192,192,192	15	Bright White	255,255,255

**Options:**

There are ten options; Enter Text, Red - White Text, Green - White, Blue - White Text, RGB Color – White Text, Regular, bold, Italic, Font Size, and Font.

**Enter Text:**

This check box enables text input into the RGB color boxes, and enables all other options when checked. This check box deletes all text input into the color boxes and disables the other options when unchecked. For Example, “Help File” was entered in the RGB Color / Text box as font size 24 as Symbol text in Image 2.



## **Options (Continued):**

### **Red, Green, Blue, RGB Color - White Text:**

This function evaluates white text vs standard black text fore color for graphic & forms design. These check boxes change the default black font fore color to white in the RGB Prime Color boxes when checked and restores the font fore color to black when unchecked for each RGB Prime Color box. For some RGB colors, it might be better to see the text, as white text, and vice versa. This is also performed in the RGB Color window by selecting & unselecting RGB Color – White Text verses the RGB – Black Text and changing the RGB Color window color with the RBG Slider Bars or entering RGB numbers in the RGB text boxes by selecting the RGB Index check box.

### **Font Face:**

There are three font face check boxes; Regular, Bold, and Italic. Selecting each of these boxes changes the text face in the RGB color boxes accordingly. Selecting the Regular check box resets the RGB color boxes to the default of no face, or standard type font face. For Example, “Help File” was entered in the RGB Color / Text box as font size 24 and Symbol text in Image 2.

### **RGB Index:**

This check box enables user input RBG index boxes, as an option to the standard RBG Scroll Bar slider option described in this help file.

### **RGB Text:**

This check box enables changing RGB text colors in the RGB Colors palette box, and sets its background to white. Moving the RGB scroll bars, or entering the index in the RGB Index boxes, or selecting a QB color from the QB color palette will change the text color in the RGB Colors box. If RBG Color is selected to adjust the desired background color, the RGB Color settings are displayed for user interface, as RBG Colors - RGB(255,254,136) for the demo Image 2 by switching from RGB Color to RGB Text.

### **RGB Color:**

This checked enables changing text with the currently set background color. The check box acts like a toggle switch. Each time it is checked it sets the background color to the current RGB index colors, and initializes the text color to white if the RGB index is greater than RGB: 128,128,128, and black otherwise. If RBG Text is selected to adjust the desired text fore color, the RGB Text color settings are displayed for user interface, as RBG Text Colors - RGB(120,147,177) for the demo Image 2 by switching from RGB Text to RGB Color.

### **Reset RGB:**

This check box resets the RGB Dynamic Color Pallet to its default startup window state.

### **RGB Color - Black:**

This check box sets the background color of the RGB Color box to black when checked. This check box is enabled when the RGB Text check box is checked, and disabled when it is unchecked.



**Options (Continued):**

**Font Size:**

This check box changes default 10 font size from 1 to 72 based on user input. Zero font, and text input are not allowed, and a run-time error will be generated for each, and default fore size of 10 will be restored to the RGB color boxes. For Example, "Help File" was entered in the RGB color / Text box as font size 24 and Symbol text in Image 2.

**Font:**

Selecting a font from the pull down menu will change the default font from Arial to the new selected font by the user. For Example, "Help File" was entered in the RGB Color / Text box as font size 24 and Symbol text in Image 2. See Table 2 below for a list of the supported fonts by RGB Color Code Scale application.

**Application Notes:**

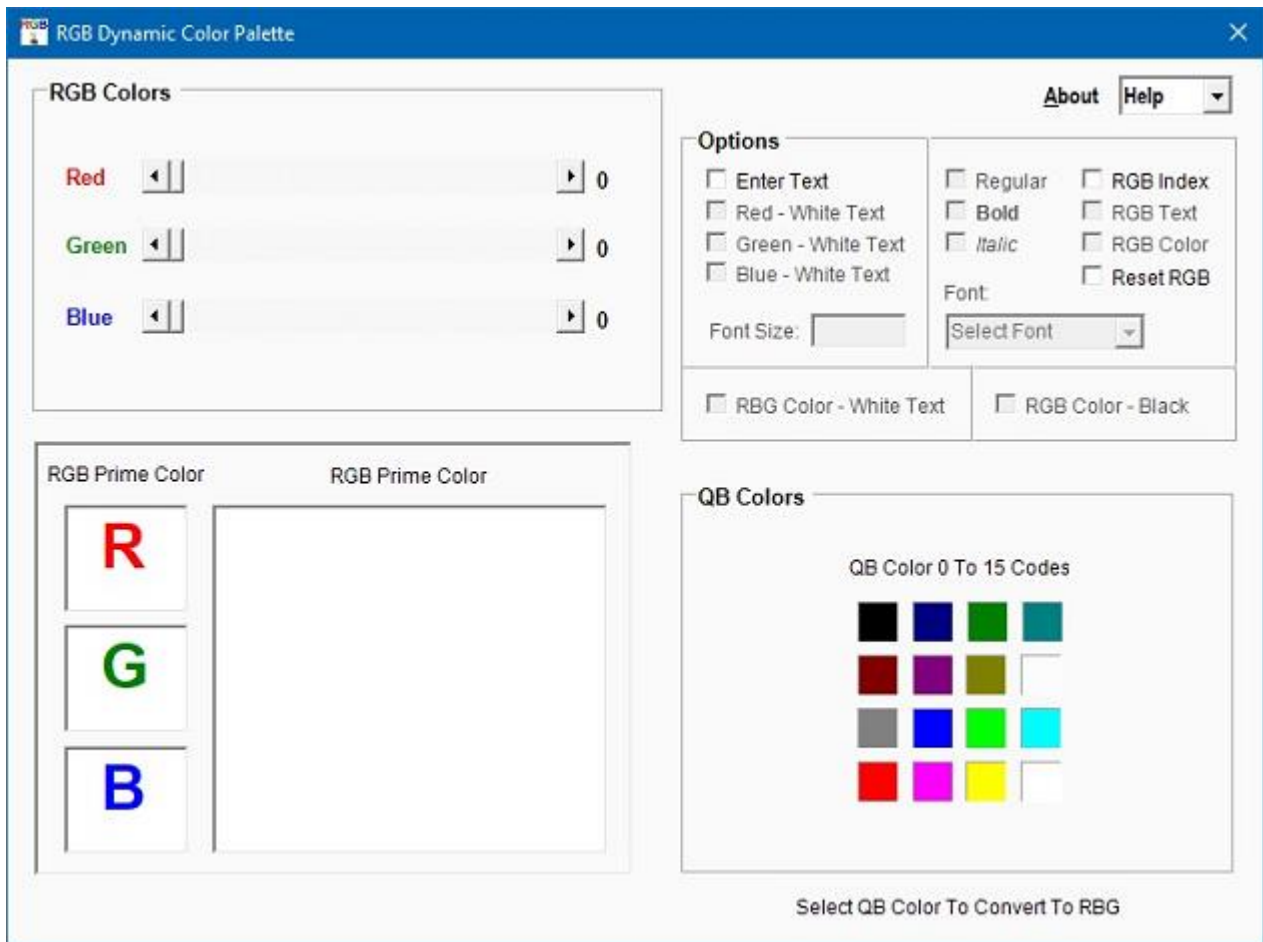
RBG as programming function has been replaced with Alpha, Red, Green, Blue, ARGB index function. Alpha index represents an opaque color band for each desired RGB index. However, forms object's background and forecolor references do not support the transparency of the Alpha index. It only supports it as a solid color reference. Therefore, RBG index is supported as ARGB(255,Red,Green,Blue) programming ARGB to RGB reference. The RBG Color Palette application therefore returns all programing references as ARGB to be compliant with current windows operating systems and developer programming languages.

**Table 2:**

<b>Font List</b>
Agency FB
Arial
Arial Narrow
Bahnschrift
Bodoni MT
Calibri
Calisto MT
Cambria
Century
Courier
Courier New
MS Serif
Symbol
System
Times New Roman
Tahoma
Verdana

# RBG Dynamic Color Palette Window

Image 1 - Default GUI:



# RBG Dynamic Color Palette Window

Image 2 - Help File Graphic GUI Example:

