

# Converting Colors

`RYB(81, 134, 234)`

Have a look what the booklet for  
RYB(81, 134, 234) contains.

<b>RYB(81, 134, 234)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**$\text{RYB}(81, 134, 234)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	51A2EA
RGB	81, 162, 234
RGB Percent	32%, 64%, 92%
CMY	0.6824, 0.3644, 0.0824
CMYK	0.65, 0.31, 0.00, 0.08
HSL	208°, 78%, 62%
HSV	208°, 65%, 92%
XYZ	31.1808, 33.5622, 82.6767
YIQ	145.9890, -71.3880, 5.2200

# Conversions

## Conversions Part 2

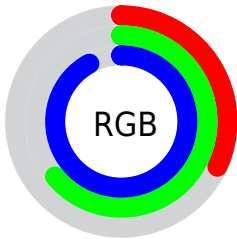
Format	Color
R <sub>Y</sub> B	81, 134, 234
Decimal	5350122
CIE Lab	64.61, -2.63, -43.47
CIE LCh	65, 43.552, 266.537
Yxy	33.5622, 0.2115, 0.2277
Android (android.graphics.Color)	4283540202 (0xFF51A2EA)
YUV	145.9890, 43.3894, -56.9954
Hunter-Lab	57.9329, -5.3098, -44.0603

# Details

The RYB color **81, 134, 234** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **234, 217, 81**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **144, 188, 255**, and **0, 68, 178** is the 20% darker color. If you saturate the color by 10%, you get **58, 119, 234**, and if you desaturate by 10%, it is **104, 149, 234**.

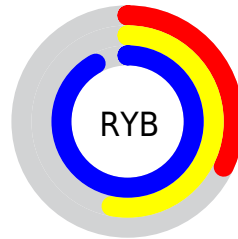
# Distribution



Red (32%)

Green (64%)

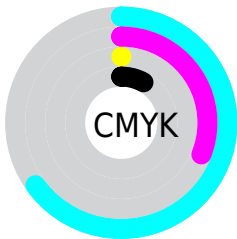
Blue (92%)



Red (32%)

Yellow (53%)

Blue (92%)

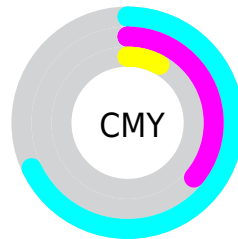


Cyan (65%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (68%)

Magenta (36%)

















Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 81, 134, 234 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 81, 134, 234 by changing the saturation by 10% instead.



 81, 134, 234	 81, 134, 234
 255, 255, 255	 43, 102, 206
 144, 188, 255	 0, 68, 178
 174, 212, 255	 0, 55, 151
 204, 230, 255	 0, 42, 125
 234, 245, 255	 0, 29, 99
	 0, 17, 75
	 0, 4, 52
	 0, 2, 30
	 0, 0, 0

■ 81, 134, 234

■ 81, 134, 234

■ 58, 119, 234

■ 104, 149, 234

■ 34, 103, 234

■ 128, 165, 234

■ 11, 88, 234

■ 151, 180, 234

■ 0, 81, 234

■ 175, 195, 234

■ 198, 210, 234

■ 221, 226, 234

■ 245, 243, 234

■ 241, 255, 234

■ 234, 255, 234

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 97, 221



81, 134, 234



153, 148, 226

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81, 134, 234



230, 128, 124



98, 161, 173

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81, 134, 234



234, 217, 81

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85, 165, 104



81, 134, 234



214, 167, 93

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81, 134, 234



226, 125, 163



122, 185, 77



14, 103, 177

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 134, 234



187, 138, 211



122, 185, 77



101, 171, 157

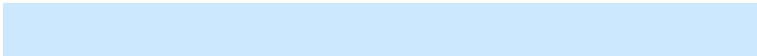


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



81, 134, 234



204, 222, 255



81, 186, 234



97, 108, 128



0, 0, 0



128, 128, 128



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81, 134, 234



56, 125, 255



81, 86, 234



106, 110, 117



0, 63, 181



0, 18, 54



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



234, 81, 162



255, 56, 162



86, 234, 81



117, 106, 112



181, 0, 96

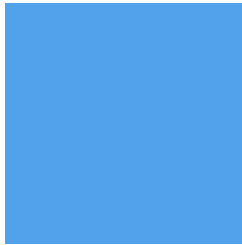


54, 0, 28



# Previews

## White Background



This preview shows how the RYB color 81, 134, 234 looks on a white background.

## Color Contrast Check

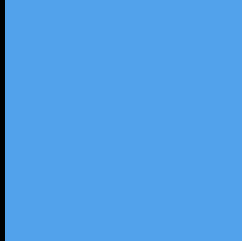
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 81, 134, 234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

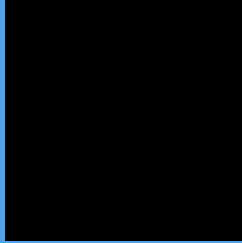
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

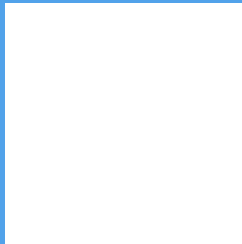
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 81, 134, 234 Background



This preview shows how black text looks on a background with the RGB color 81, 134, 234.

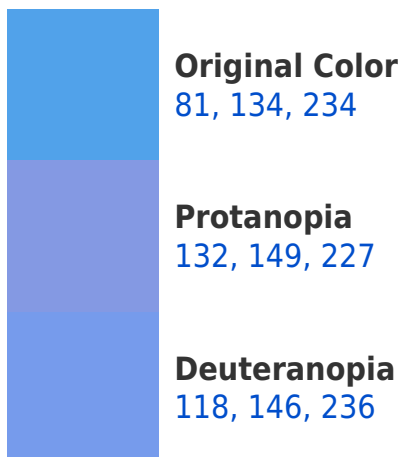


This preview shows how white text looks on a background with the RGB color 81, 134, 234.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

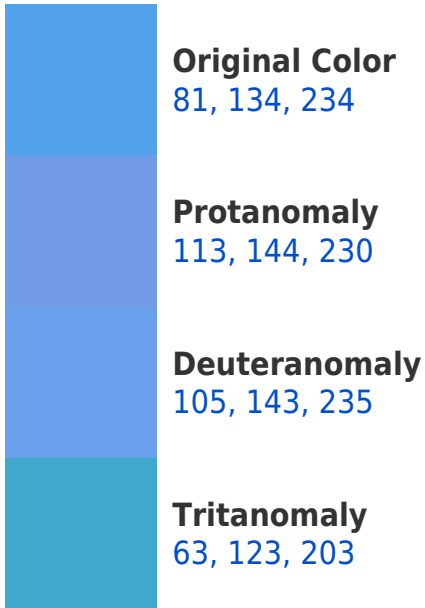
## Dichromacy



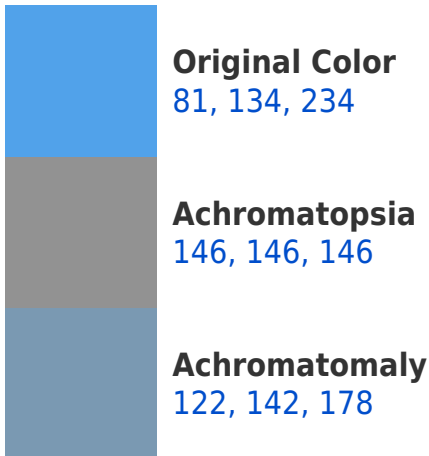


**Tritanopia**  
53, 115, 185

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 81, 134, 234 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(81, 162, 234)` looks like.

```
.text, #text, p{  
    color:rgb(81, 162, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(81, 162, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 162, 234) }
```

## Border

The CSS property to change the border of an element to RYB 81, 134, 234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 162, 234) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(81, 162, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(81, 162, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 162, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 162, 234);  
box-shadow:4px 4px 4px 4px rgb(81, 162,  
234) }
```

# Background

The CSS property to change the background color of an element to RYB 81, 134, 234 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 162, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(81, 162,  
234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor