

Converting Colors

R_YB(87, 85, 224)

Have a look what the booklet for
RYB(87, 85, 224) contains.

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Color

R_YB(87, 85, 224)

Conversions

Conversions Part 1

Format	Color
Hex	5755E0
RGB	87, 85, 224
RGB Percent	34%, 33%, 88%
CMY	0.6588, 0.6667, 0.1216
CMYK	0.61, 0.62, 0.00, 0.12
HSL	241°, 69%, 61%
HSV	241°, 62%, 88%
XYZ	20.6335, 13.9051, 72.1174
YIQ	101.4440, -43.4270, 43.6530

Conversions

Conversions Part 2

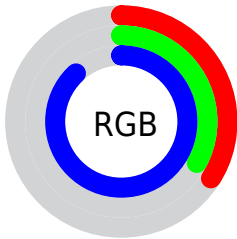
Format	Color
RYB	87, 85, 224
Decimal	5723616
CIELab	44.10, 41.47, -70.72
CIElCh	44, 81.983, 300.384
Yxy	13.9051, 0.1935, 0.1304
Android (android.graphics.Color)	4283913696 (0xFF5755E0)
YUV	101.4440, 60.4201, -12.6674
Hunter-Lab	37.2895, 33.5135, -88.5636

Details

The RYB color **87, 85, 224** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **85, 224, 87**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **149, 135, 255**, and **0, 32, 168** is the 20% darker color. If you saturate the color by 10%, you get **65, 63, 224**, and if you desaturate by 10%, it is **109, 107, 224**.

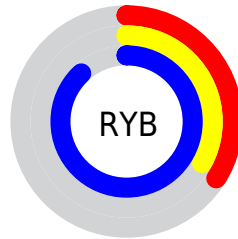
Distribution



Red (34%)

Green (33%)

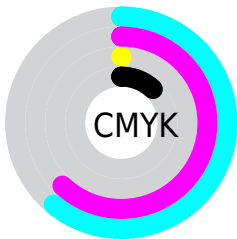
Blue (88%)



Red (34%)

Yellow (33%)

Blue (88%)

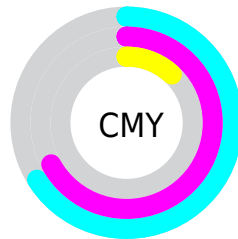


Cyan (61%)

Magenta (62%)

Yellow (0%)

Black (12%)



Cyan (66%)


















Magenta (67%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 85, 224 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 87, 85, 224 by changing the saturation by 10% instead.

 87, 85, 224	 87, 85, 224
 255, 255, 255	 51, 60, 195
 149, 135, 255	 0, 32, 168
 179, 162, 255	 0, 16, 140
 210, 189, 255	 0, 0, 114
 240, 217, 255	 0, 0, 88
 255, 245, 255	 0, 6, 64
	 0, 3, 41
	 0, 1, 19
	 0, 0, 0

■ 87, 85, 224

■ 87, 85, 224

■ 65, 63, 224

■ 109, 107, 224

■ 43, 40, 224

■ 131, 130, 224

■ 21, 18, 224

■ 153, 152, 224

■ 3, 0, 224

■ 175, 175, 224

■ 197, 197, 224

■ 219, 219, 224

■ 224, 242, 224

■ 224, 255, 224

Harmonies

Analogous

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



0, 78, 243



87, 85, 224



183, 29, 173

Triad

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



87, 85, 224



178, 118, 0



0, 73, 131

Complementary

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



87, 85, 224



85, 224, 87

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.



0, 105, 127



87, 85, 224



31, 127, 0

Square

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



87, 85, 224



211, 0, 40



0, 119, 64



0, 75, 172

Rectangle

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



87, 85, 224



210, 0, 129



0, 119, 64



0, 81, 130

Sweetspot

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



87, 85, 224



207, 207, 255



85, 155, 224



99, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 85, 224



69, 66, 255



155, 85, 224



101, 101, 112



3, 0, 176



1, 0, 48

Inverse Universe

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



224, 85, 222



255, 66, 252



85, 224, 154



112, 101, 112



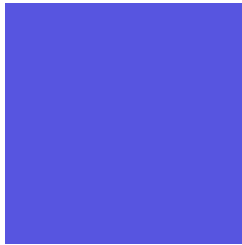
176, 0, 173



48, 0, 48

Previews

White Background



This preview shows how the RYB color 87, 85, 224 looks on a white background.

Color Contrast Check

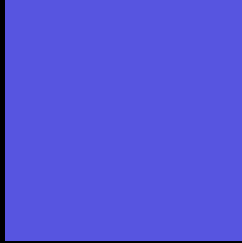
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 87, 85, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

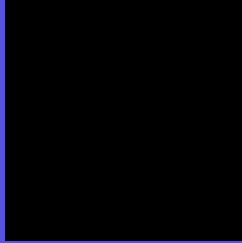
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 87, 85, 224 Background



This preview shows how black text looks on a background with the R Y B color 87, 85, 224.

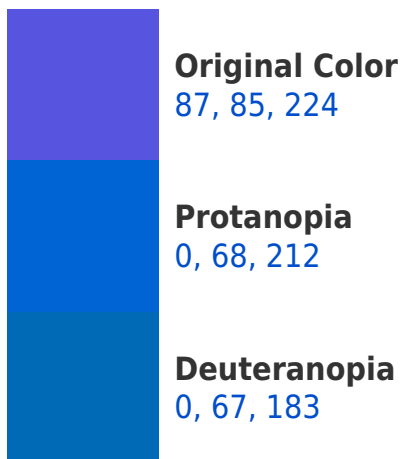


This preview shows how white text looks on a background with the R Y B color 87, 85, 224.

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
36, 77, 123

Trichromacy



Original Color
87, 85, 224

Protanomaly
32, 79, 216

Deuteranomaly
32, 79, 198

Tritanomaly
55, 88, 160

Monochromacy



Original Color
87, 85, 224

Achromatopsia
101, 101, 101

Achromatomaly
96, 95, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 85, 224 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(87, 85, 224)` looks like.

```
.text, #text, p{  
    color:rgb(87, 85, 224)  
}
```

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(87, 85, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 85, 224) }
```

Border

The CSS property to change the border of an element to RYB 87, 85, 224 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(87, 85, 224) }
```

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

```
.border{ border-color:rgb(87, 85, 224) }
```

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

Here you see how a box with a 4 pixel rgb(87, 85, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 85, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 85, 224);  
box-shadow:4px 4px 4px 4px rgb(87, 85,  
224) }
```

Background

The CSS property to change the background color of an element to RGB 87, 85, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 85, 224) }
```

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

```
.background{ background-color: rgb(87, 85,  
224) }
```

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](#).

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