

Converting Colors

`RYB(57, 71, 234)`

Have a look what the booklet for
RYB(57, 71, 234) contains.

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Color

R_YB(57, 71, 234)

Conversions

Conversions Part 1

Format	Color
Hex	3948EA
RGB	57, 72, 234
RGB Percent	22%, 28%, 92%
CMY	0.7765, 0.7169, 0.0824
CMYK	0.76, 0.69, 0.00, 0.08
HSL	235°, 81%, 57%
HSV	235°, 76%, 92%
XYZ	18.8691, 11.4713, 79.0616
YIQ	85.9830, -60.9420, 47.2020

Conversions

Conversions Part 2

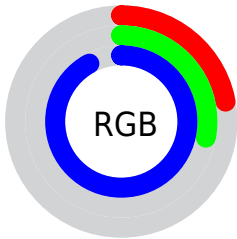
Format	Color
R _Y B	57, 71, 234
Decimal	3754218
CIE Lab	40.36, 48.74, -82.58
CIE LCh	40, 95.892, 300.546
Yxy	11.4713, 0.1725, 0.1049
Android (android.graphics.Color)	4281944298 (0xFF3948EA)
YUV	85.9830, 72.9724, -25.4181
Hunter-Lab	33.8693, 40.1736, -114.6928

Details

The RYB color **57, 71, 234** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **73, 234, 57**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **130, 121, 255**, and **0, 23, 177** is the 20% darker color. If you saturate the color by 10%, you get **34, 50, 234**, and if you desaturate by 10%, it is **80, 93, 234**.

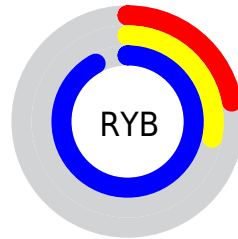
Distribution



Red (22%)

Green (28%)

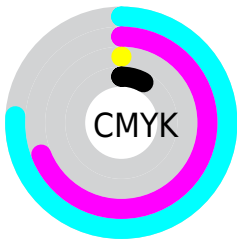
Blue (92%)



Red (22%)

Yellow (28%)

Blue (92%)

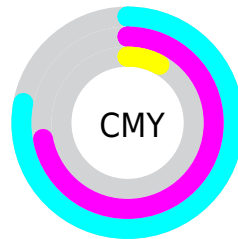


Cyan (76%)

Magenta (69%)

Yellow (0%)

Black (8%)



Cyan (78%)


















Magenta (72%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 57, 71, 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 57, 71, 234 by changing the saturation by 10% instead.

 57, 71, 234	 57, 71, 234
 255, 255, 255	 0, 40, 205
 130, 122, 255	 0, 23, 177
 162, 148, 255	 0, 8, 149
 194, 174, 255	 0, 0, 122
 225, 202, 255	 0, 9, 96
 255, 230, 255	 0, 7, 72
	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

■ 57, 71, 234

■ 57, 71, 234

■ 34, 50, 234

■ 80, 93, 234

■ 10, 28, 234

■ 104, 114, 234

■ 0, 18, 234

■ 127, 135, 234

■ 151, 157, 234

■ 174, 179, 234

■ 197, 201, 234

■ 221, 222, 234

■ 235, 244, 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, 76, 255



57, 71, 234



184, 0, 174

Triad

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



57, 71, 234



174, 76, 0



0, 69, 123

Complementary

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



57, 71, 234



73, 234, 57

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, 119, 119



57, 71, 234



26, 115, 0

Square

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



57, 71, 234



213, 0, 21



0, 112, 99



0, 72, 174

Rectangle

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



57, 71, 234



214, 0, 124



0, 112, 99



0, 79, 122

Sweetspot

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



57, 71, 234



196, 201, 255



57, 150, 234



92, 95, 128



0, 0, 0



128, 128, 128

Same Dimension

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



57, 71, 234



23, 41, 255



128, 57, 234



106, 107, 117



0, 15, 181



0, 5, 54

Inverse Universe

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



234, 57, 72



255, 23, 43



57, 234, 128



117, 106, 107



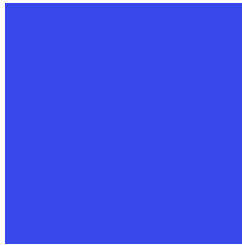
181, 0, 16



54, 0, 5

Previews

White Background



This preview shows how the RYB color 57, 71, 234 looks on a white background.

Color Contrast Check

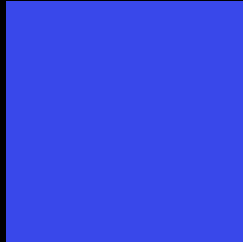
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 71, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

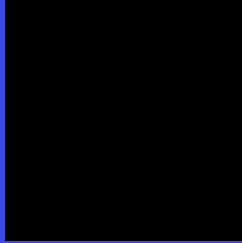
Any Text WCAG AA × Fail

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 57, 71, 234 Background



This preview shows how black text looks on a background with the R Y B color 57, 71, 234.

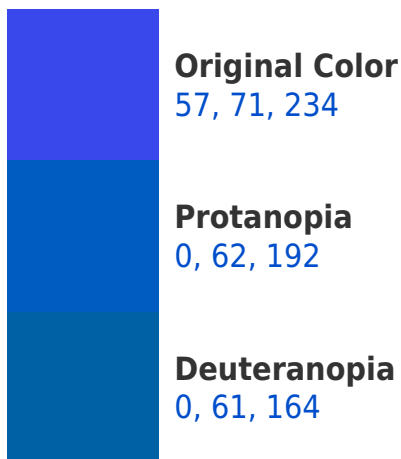


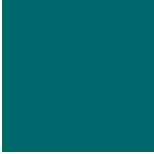
This preview shows how white text looks on a background with the R Y B color 57, 71, 234.

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
0, 54, 111

Trichromacy



Original Color

57, 71, 234

Protanomaly

21, 68, 207

Deuteranomaly

21, 69, 189

Tritanomaly

21, 68, 156

Monochromacy



Original Color

57, 71, 234

Achromatopsia

86, 86, 86

Achromatomaly

75, 80, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 71, 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(57, 72, 234)` looks like.

```
.text, #text, p{  
    color:rgb(57, 72, 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(57, 72, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 72, 234) }
```

Border

The CSS property to change the border of an element to RYB 57, 71, 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(57, 72, 234) }
```

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

```
.border{ border-color:rgb(57, 72, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 72, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 72, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 72, 234);  
box-shadow:4px 4px 4px 4px rgb(57, 72,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 57, 71, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 72, 234) }
```

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

```
.background{ background-color: rgb(57, 72,  
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](#).

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