

Converting Colors

`RYB(57, 48, 240)`

Have a look what the booklet for
RYB(57, 48, 240) contains.

RYB(57, 48, 240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(57, 48, 240)

Conversions

Conversions Part 1

Format	Color
Hex	3930F0
RGB	57, 48, 240
RGB Percent	22%, 19%, 94%
CMY	0.7765, 0.8118, 0.0588
CMYK	0.76, 0.80, 0.00, 0.06
HSL	243°, 86%, 56%
HSV	243°, 80%, 94%
XYZ	18.4725, 9.2750, 83.2547
YIQ	72.5790, -56.2680, 61.6200

Conversions

Conversions Part 2

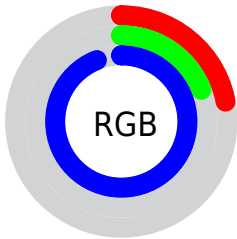
Format	Color
RYB	57, 48, 240
Decimal	3748080
CIELab	36.51, 63.29, -92.35
CIELCh	37, 111.961, 304.424
Yxy	9.2750, 0.1664, 0.0836
Android (android.graphics.Color)	4281938160 (0xFF3930F0)
YUV	72.5790, 82.5386, -13.6628
Hunter-Lab	30.4549, 54.9732, -140.7627

Details

The RYB color **57, 48, 240** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **48, 240, 57**, and the grayscale version is **72, 72, 72**.

A 20% lighter version of the original color is **133, 99, 255**, and **0, 0, 182** is the 20% darker color. If you saturate the color by 10%, you get **34, 24, 240**, and if you desaturate by 10%, it is **80, 72, 240**.

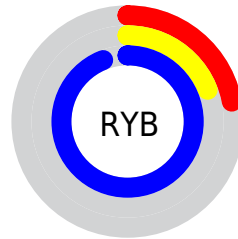
Distribution



Red (22%)

Green (19%)

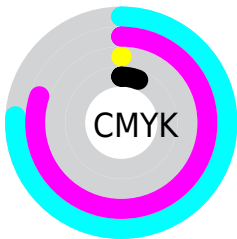
Blue (94%)



Red (22%)

Yellow (19%)

Blue (94%)

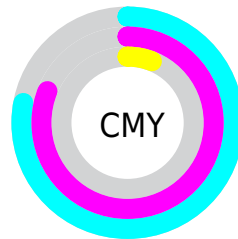


Cyan (76%)

Magenta (80%)

Yellow (0%)

Black (6%)



Cyan (78%)



















Magenta (81%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 57, 48, 240 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, 48, 240 by changing the saturation by 10% instead.

 57, 48, 240	 57, 48, 240
 255, 255, 255	 0, 19, 211
 133, 99, 255	 0, 0, 182
 166, 125, 255	 0, 0, 154
 198, 152, 255	 0, 0, 127
 230, 180, 255	 0, 12, 101
 255, 208, 255	 0, 8, 76
 255, 237, 255	 0, 4, 52
	 0, 2, 30
	 0, 0, 0

■ 57, 48, 240

■ 57, 48, 240

■ 34, 24, 240

■ 80, 72, 240

■ 11, 0, 240

■ 103, 96, 240

■ 126, 120, 240

■ 148, 144, 240

■ 171, 168, 240

■ 194, 192, 240

■ 217, 216, 240

■ 240, 240, 240

■ 240, 255, 240

Harmonies

Analogous

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



0, 71, 255



57, 48, 240



194, 0, 166

Triad

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



57, 48, 240



163, 53, 0



0, 61, 114

Complementary

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



57, 48, 240



48, 240, 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, 111, 111



57, 48, 240



6, 94, 0

Square

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



57, 48, 240



212, 0, 0



0, 105, 105



0, 72, 188

Rectangle

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



57, 48, 240



223, 0, 107



0, 105, 105



0, 71, 113

Sweetspot

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



57, 48, 240



197, 194, 255



48, 142, 240



92, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



57, 48, 240



22, 10, 255



150, 48, 240



108, 108, 120



9, 0, 184



3, 0, 56

Inverse Universe

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



240, 48, 231



255, 10, 244



48, 240, 150



120, 108, 119



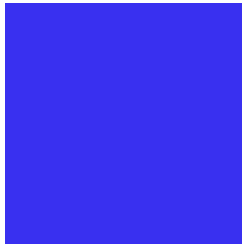
184, 0, 175



56, 0, 53

Previews

White Background



This preview shows how the RYB color 57, 48, 240 looks on a white background.

Color Contrast Check

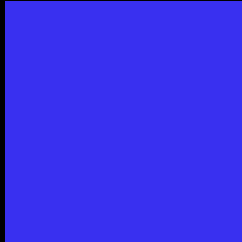
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 57, 48, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

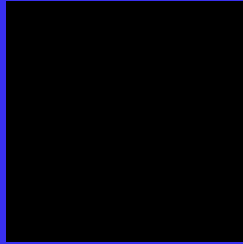
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYP 57, 48, 240 Background



This preview shows how black text looks on a background with the RYP color 57, 48, 240.

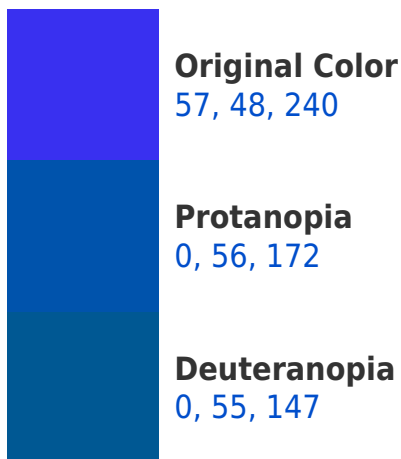


This preview shows how white text looks on a background with the RYP color 57, 48, 240.

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, 48, 100

Trichromacy



Original Color

57, 48, 240

Protanomaly

21, 59, 197

Deuteranomaly

21, 60, 181

Tritanomaly

21, 60, 151

Monochromacy



Original Color

57, 48, 240

Achromatopsia

73, 73, 73

Achromatomaly

67, 64, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 57, 48, 240 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, 48, 240)` looks like.

```
.text, #text, p{  
    color:rgb(57, 48, 240)  
}
```

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, 48, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 48, 240) }
```

Border

The CSS property to change the border of an element to RYB 57, 48, 240 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, 48, 240) }
```

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

```
.border{ border-color:rgb(57, 48, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 48, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 48, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 48, 240);  
box-shadow:4px 4px 4px 4px rgb(57, 48,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 57, 48, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 48, 240) }
```

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

```
.background{ background-color: rgb(57, 48,  
240) }
```

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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