

Converting Colors

`RYB(38, 48, 235)`

Have a look what the booklet for
RYB(38, 48, 235) contains.

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Color

R_YB(38, 48, 235)

Conversions

Conversions Part 1

Format	Color
Hex	2631EB
RGB	38, 49, 235
RGB Percent	15%, 19%, 92%
CMY	0.8510, 0.8097, 0.0784
CMYK	0.84, 0.79, 0.00, 0.08
HSL	237°, 83%, 54%
HSV	237°, 84%, 92%
XYZ	16.8737, 8.5681, 79.3617
YIQ	66.9150, -66.2620, 55.5140

Conversions

Conversions Part 2

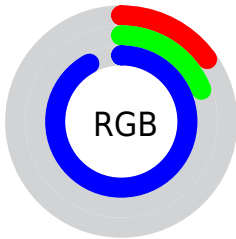
Format	Color
R _Y B	38, 48, 235
Decimal	2503147
CIE Lab	35.14, 60.59, -91.82
CIE LCh	35, 110.006, 303.419
Yxy	8.5681, 0.1610, 0.0818
Android (android.graphics.Color)	4280693227 (0xFF2631EB)
YUV	66.9150, 82.8659, -25.3585
Hunter-Lab	29.2714, 51.6726, -140.2594




Details

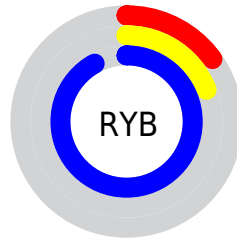
The RYB color **38, 48, 235** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **50, 235, 38**, and the grayscale version is **66, 66, 66**.




A 20% lighter version of the original color is **122, 99, 255**, and **0, 0, 177** is the 20% darker color. If you saturate the color by 10%, you get **14, 25, 235**, and if you desaturate by 10%, it is **61, 70, 235**.

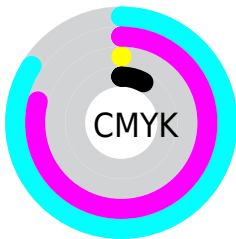
Distribution







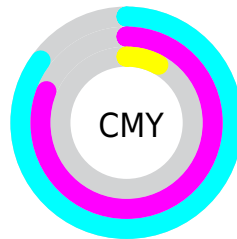
-  Red (15%)
-  Green (19%)
-  Blue (92%)






-  Red (15%)
-  Yellow (19%)
-  Blue (92%)



-  Cyan (84%)
-  Magenta (79%)
-  Yellow (0%)
-  Black (8%)





















-  Cyan (85%)
-  Magenta (81%)
-  Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 38, 48, 235 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 38, 48, 235 by changing the saturation by 10% instead.

 38, 48, 235	 38, 48, 235
 255, 255, 255	 0, 21, 206
 122, 99, 255	 0, 0, 177
 156, 124, 255	 0, 0, 150
 188, 151, 255	 0, 0, 123
 220, 178, 255	 0, 13, 97
 252, 207, 255	 0, 7, 72
 255, 235, 255	 0, 4, 48
	 0, 1, 27
	 0, 0, 0

■ 38, 48, 235

■ 38, 48, 235

■ 14, 25, 235

■ 61, 70, 235

■ 0, 12, 235

■ 85, 93, 235

■ 108, 115, 235

■ 132, 138, 235

■ 155, 160, 235

■ 179, 182, 235

■ 203, 204, 235

■ 226, 226, 235

■ 235, 249, 235

Harmonies

Analogous

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



0, 70, 255



38, 48, 235



186, 0, 164

Triad

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



38, 48, 235



160, 43, 0



0, 60, 110

Complementary

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



38, 48, 235



50, 235, 38

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, 107, 107



38, 48, 235



10, 93, 0

Square

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



38, 48, 235



206, 0, 0



0, 101, 101



0, 69, 180

Rectangle

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



38, 48, 235



215, 0, 106



0, 101, 101



0, 70, 109

Sweetspot

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



38, 48, 235



191, 195, 255



38, 140, 235



89, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



38, 48, 235



0, 13, 255



123, 38, 235



106, 106, 117



0, 9, 181



0, 3, 54

Inverse Universe

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



235, 38, 49



255, 0, 14



38, 235, 123



117, 106, 106



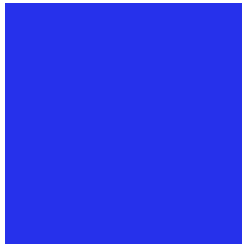
181, 0, 10



54, 0, 3

Previews

White Background



This preview shows how the RYB color 38, 48, 235 looks on a white background.

Color Contrast Check

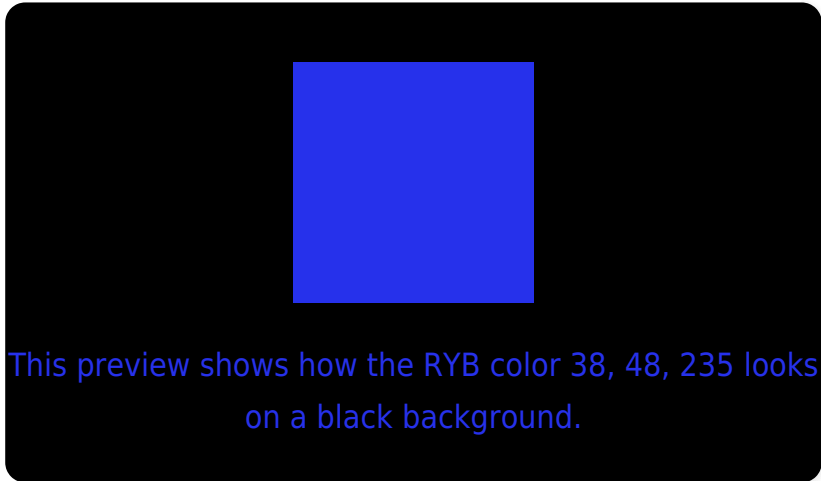
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

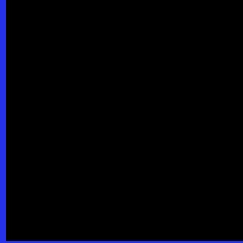
Any Text WCAG AA × Fail

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](#).

RVB 38, 48, 235 Background



This preview shows how black text looks on a background with the RYB color 38, 48, 235.



This preview shows how white text looks on a background with the RYB color 38, 48, 235.

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



Original Color
38, 48, 235

Protanopia
0, 54, 166

Deuteranopia
0, 53, 141



Tritanopia
0, 47, 96

Trichromacy



Original Color

38, 48, 235

Protanomaly

14, 55, 191

Deuteranomaly

14, 56, 175

Tritanomaly

14, 56, 147

Monochromacy



Original Color

38, 48, 235

Achromatopsia

67, 67, 67

Achromatomaly

56, 60, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 48, 235 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(38, 49, 235)` looks like.

```
.text, #text, p{  
    color:rgb(38, 49, 235)  
}
```

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(38, 49, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 49, 235) }
```

Border

The CSS property to change the border of an element to RYB 38, 48, 235 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(38, 49, 235) }
```

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

```
.border{ border-color:rgb(38, 49, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 49, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 49, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 49, 235);  
box-shadow:4px 4px 4px 4px rgb(38, 49,  
235) }
```

Background

The CSS property to change the background color of an element to RGB 38, 49, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 49, 235) }
```

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

```
.background{ background-color: rgb(38, 49,  
235) }
```

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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