

Converting Colors

`RYB(70, 81, 250)`

Have a look what the booklet for
RYB(70, 81, 250) contains.

RYB(70, 81, 250)	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>	28

Color

R_YB(70, 81, 250)

Conversions

Conversions Part 1

Format	Color
Hex	4652FA
RGB	70, 82, 250
RGB Percent	27%, 32%, 98%
CMY	0.7255, 0.6795, 0.0196
CMYK	0.72, 0.67, 0.00, 0.02
HSL	236°, 95%, 63%
HSV	236°, 72%, 98%
XYZ	22.7770, 14.1961, 91.9821
YIQ	97.5640, -61.0800, 49.7040

Conversions

Conversions Part 2

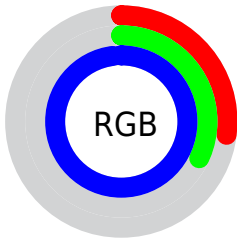
Format	Color
R_YB	70, 81, 250
Decimal	4608762
CIE _{Lab}	44.51, 49.74, -84.73
CIE _{LCh}	45, 98.251, 300.412
Yxy	14.1961, 0.1766, 0.1101
Android (android.graphics.Color)	4282798842 (0xFF4652FA)
YUV	97.5640, 75.1509, -24.1736
Hunter-Lab	37.6777, 41.9715, -118.3698

Details

The RYB color **70, 81, 250** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **83, 250, 70**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **141, 132, 255**, and **0, 30, 192** is the 20% darker color. If you saturate the color by 10%, you get **45, 57, 250**, and if you desaturate by 10%, it is **95, 104, 250**.

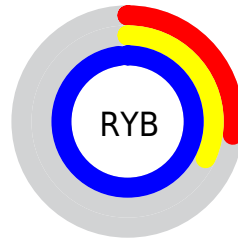
Distribution



Red (27%)

Green (32%)

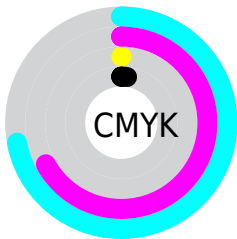
Blue (98%)



Red (27%)

Yellow (32%)

Blue (98%)

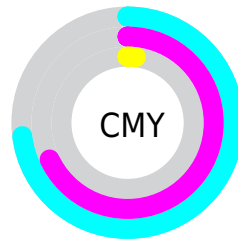


Cyan (72%)

Magenta (67%)

Yellow (0%)

Black (2%)



Cyan (73%)


















Magenta (68%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 81, 250 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 70, 81, 250 by changing the saturation by 10% instead.

 70, 81, 250	 70, 81, 250
 255, 255, 255	 1, 46, 221
 141, 132, 255	 0, 30, 192
 173, 158, 255	 0, 14, 164
 205, 185, 255	 0, 0, 137
 237, 213, 255	 0, 0, 110
 255, 242, 255	 0, 11, 85
	 0, 5, 61
	 0, 2, 38
	 0, 1, 15

■ 70, 81, 250

■ 70, 81, 250

■ 45, 57, 250

■ 95, 104, 250

■ 20, 34, 250

■ 120, 128, 250

■ 0, 15, 250

■ 145, 152, 250

■ 170, 175, 250

■ 195, 199, 250

■ 220, 222, 250

■ 245, 245, 250

■ 250, 255, 250

Harmonies

Analogous

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



0, 81, 255



70, 81, 250



198, 0, 188

Triad

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



70, 81, 250



189, 92, 0



0, 76, 135

Complementary

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



70, 81, 250



83, 250, 70

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, 131, 131



70, 81, 250



31, 128, 0

Square

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



70, 81, 250



230, 0, 28



0, 123, 92



0, 79, 187

Rectangle

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



70, 81, 250



230, 0, 135



0, 123, 92



0, 86, 134

Sweetspot

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



70, 81, 250



199, 203, 255



70, 163, 250



94, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



70, 81, 250



36, 49, 255



148, 70, 250



112, 113, 125



0, 11, 189



0, 4, 61

Inverse Universe

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



250, 70, 82



255, 36, 50



70, 250, 148



125, 112, 113



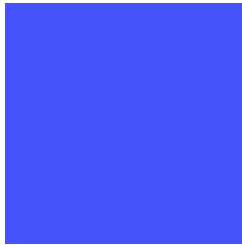
189, 0, 12



61, 0, 4

Previews

White Background



This preview shows how the RYB color 70, 81, 250 looks on a white background.

Color Contrast Check

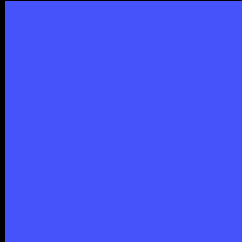
Large Text (above 18pt) WCAG AA ✓ Pass

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 70, 81, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

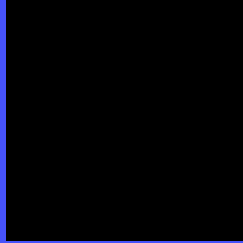
Any Text WCAG AA × Fail

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 70, 81, 250 Background



This preview shows how black text looks on a background with the R Y B color 70, 81, 250.

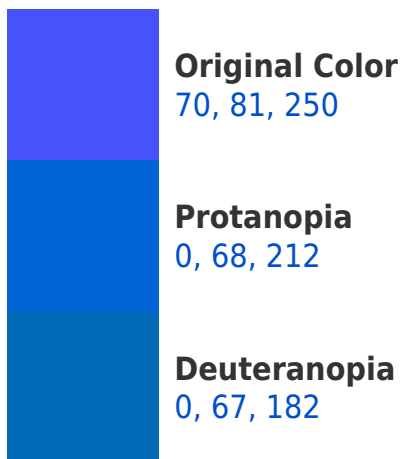


This preview shows how white text looks on a background with the R Y B color 70, 81, 250.

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



Trichromacy



Original Color
70, 81, 250

Protanomaly
25, 76, 226

Deuteranomaly
25, 77, 207

Monochromacy



Original Color
70, 81, 250

Achromatopsia
97, 97, 97

Achromatomaly
87, 91, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 81, 250 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(70, 82, 250)` looks like.

```
.text, #text, p{  
    color:rgb(70, 82, 250)  
}
```

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(70, 82, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 82, 250) }
```

Border

The CSS property to change the border of an element to RYB 70, 81, 250 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(70, 82, 250) }
```

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

```
.border{ border-color:rgb(70, 82, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 82, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 82, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 82, 250);  
box-shadow:4px 4px 4px 4px rgb(70, 82,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 70, 81, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 82, 250) }
```

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

```
.background{ background-color: rgb(70, 82,  
250) }
```

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