

Converting Colors

`RYB(122, 102, 245)`

Have a look what the booklet for
RYB(122, 102, 245) contains.

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Color

R_YB(122, 102, 245)

Conversions

Conversions Part 1

Format	Color
Hex	7A66F5
RGB	122, 102, 245
RGB Percent	48%, 40%, 96%
CMY	0.5216, 0.6000, 0.0392
CMYK	0.50, 0.58, 0.00, 0.04
HSL	248°, 88%, 68%
HSV	248°, 58%, 96%
XYZ	29.2588, 20.2329, 88.7494
YIQ	124.2820, -33.9830, 48.7130

Conversions

Conversions Part 2

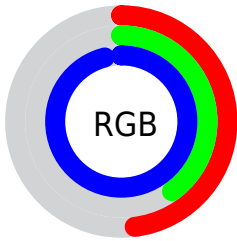
Format	Color
R _Y B	122, 102, 245
Decimal	8021749
CIE Lab	52.10, 44.07, -69.41
CIE LCh	52, 82.221, 302.414
Yxy	20.2329, 0.2117, 0.1464
Android (android.graphics.Color)	4286211829 (0xFF7A66F5)
YUV	124.2820, 59.5140, -2.0013
Hunter-Lab	44.9810, 37.3924, -85.4950

Details

The RYB color **122, 102, 245** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **102, 245, 122**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **182, 154, 255**, and **58, 54, 188** is the 20% darker color. If you saturate the color by 10%, you get **101, 78, 245**, and if you desaturate by 10%, it is **143, 127, 245**.

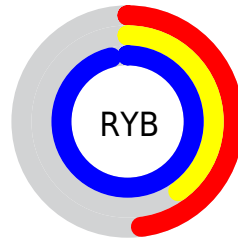
Distribution



Red (48%)

Green (40%)

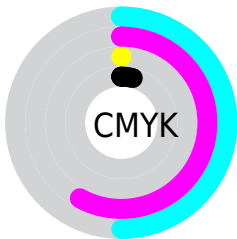
Blue (96%)



Red (48%)

Yellow (40%)

Blue (96%)

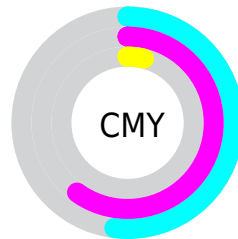


Cyan (50%)

Magenta (58%)

Yellow (0%)

Black (4%)



Cyan (52%)


Magenta (60%)

Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the RYB color 122, 102, 245 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 122, 102, 245 by changing the saturation by 10% instead.

 122, 102, 245


255, 255, 255

 182, 154, 255

 212, 181, 255

 242, 209, 255


 255, 237, 255


 122, 102, 245

 91, 77, 216

 58, 54, 188

 3, 27, 160

 0, 8, 133

 0, 0, 107

 0, 3, 82

 0, 5, 58

 0, 2, 35

 0, 0, 10

■ 122, 102, 245

■ 122, 102, 245

■ 101, 78, 245

■ 143, 127, 245

■ 80, 53, 245

■ 164, 151, 245

■ 59, 28, 245

■ 185, 176, 245

■ 38, 4, 245

■ 206, 200, 245

■ 34, 0, 245

■ 227, 225, 245

■ 245, 249, 246

■ 245, 255, 245

Harmonies

Analogous

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



0, 87, 255



122, 102, 245



210, 55, 191

Triad

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



122, 102, 245



201, 177, 0



0, 83, 153

Complementary

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



122, 102, 245



102, 245, 122

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, 150



122, 102, 245



26, 146, 0

Square

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



122, 102, 245



236, 48, 53



0, 141, 69



0, 86, 199

Rectangle

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



122, 102, 245



237, 9, 145



0, 141, 69



0, 91, 152

Sweetspot

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



122, 102, 245



216, 209, 255



102, 168, 245



103, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 102, 245



101, 77, 255



193, 102, 245



112, 110, 122



26, 0, 186



8, 0, 59

Inverse Universe

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



245, 102, 225



255, 77, 230



102, 245, 193



122, 110, 121



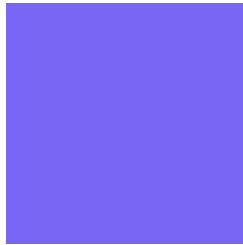
186, 0, 160



59, 0, 50

Previews

White Background



This preview shows how the RYB color 122, 102, 245 looks on a white background.

Color Contrast Check

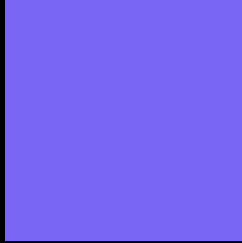
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 122, 102, 245 looks on a black 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

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

RYB 122, 102, 245 Background



This preview shows how black text looks on a background with the RYB color 122, 102, 245.

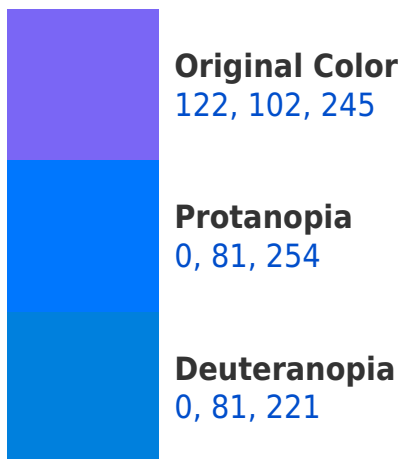


This preview shows how white text looks on a background with the RYB color 122, 102, 245.

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





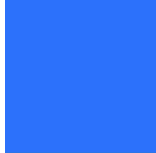
Tritanopia
90, 112, 141

Trichromacy



Original Color

122, 102, 245



Protanomaly

44, 96, 251



Deuteranomaly

44, 97, 230



Tritanomaly

102, 117, 179

Monochromacy



Original Color

122, 102, 245



Achromatopsia

124, 124, 124



Achromatomaly

123, 116, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 102, 245 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(122, 102, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 102, 245)  
}
```

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(122, 102, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 102, 245) }
```

Border

The CSS property to change the border of an element to RYB 122, 102, 245 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(122, 102, 245) }
```

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

```
.border{ border-color:rgb(122, 102, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 102, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 102, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 102, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 102,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 122, 102, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 102, 245) }
```

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

```
.background{ background-color: rgb(122,  
102, 245) }
```

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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