

Converting Colors

`RYB(123, 85, 247)`

Have a look what the booklet for RYB(123, 85, 247) contains.

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Color

R_YB(123, 85, 247)

Conversions

Conversions Part 1

Format	Color
Hex	7B55F7
RGB	123, 85, 247
RGB Percent	48%, 33%, 97%
CMY	0.5176, 0.6667, 0.0314
CMYK	0.50, 0.66, 0.00, 0.03
HSL	254°, 91%, 65%
HSV	254°, 66%, 97%
XYZ	28.2054, 17.4234, 89.8721
YIQ	114.8300, -29.3540, 58.4380

Conversions

Conversions Part 2

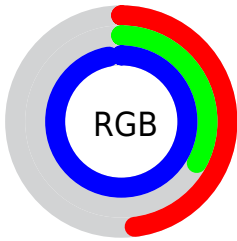
Format	Color
R_{YB}	123, 85, 247
Decimal	8082935
CIE _{Lab}	48.79, 54.24, -75.90
CIE _{LCh}	49, 93.291, 305.550
Yxy	17.4234, 0.2082, 0.1286
Android (android.graphics.Color)	4286273015 (0xFF7B55F7)
YUV	114.8300, 65.1598, 7.1651
Hunter-Lab	41.7413, 47.5686, -98.4369

Details

The RYB color **123, 85, 247** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **85, 247, 123**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **184, 137, 255**, and **57, 35, 189** is the 20% darker color. If you saturate the color by 10%, you get **104, 60, 247**, and if you desaturate by 10%, it is **142, 110, 247**.

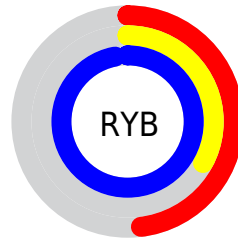
Distribution



Red (48%)

Green (33%)

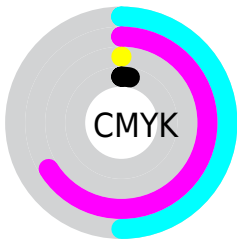
Blue (97%)



Red (48%)

Yellow (33%)

Blue (97%)

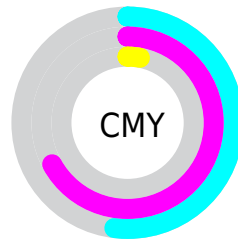


Cyan (50%)

Magenta (66%)

Yellow (0%)

Black (3%)



Cyan (52%)


















Magenta (67%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 85, 247 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 123, 85, 247 by changing the saturation by 10% instead.

 123, 85, 247	 123, 85, 247
 255, 255, 255	 92, 60, 218
 184, 137, 255	 57, 35, 189
 214, 164, 255	 0, 7, 162
 245, 192, 255	 0, 0, 134
 255, 220, 255	 0, 0, 108
 255, 249, 255	 0, 6, 83
	 0, 5, 59
	 0, 2, 36
	 0, 0, 12

■ 123, 85, 247

■ 123, 85, 247

■ 104, 60, 247

■ 142, 110, 247

■ 85, 36, 247

■ 161, 134, 247

■ 66, 11, 247

■ 180, 159, 247

■ 58, 0, 247

■ 199, 184, 247

■ 218, 209, 247

■ 236, 233, 247

■ 247, 255, 247

Harmonies

Analogous

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



0, 83, 255



123, 85, 247



217, 0, 183

Triad

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



123, 85, 247



191, 153, 0



0, 78, 146

Complementary

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



123, 85, 247



85, 247, 123

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, 110, 143



123, 85, 247



12, 129, 0

Square

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



123, 85, 247



234, 0, 27



0, 135, 109



0, 86, 207

Rectangle

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



123, 85, 247



242, 0, 131



0, 135, 109



0, 86, 146

Sweetspot

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



123, 85, 247



216, 204, 255



85, 155, 247



104, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 85, 247



101, 54, 255



204, 85, 247



113, 110, 122



44, 0, 186



14, 0, 59

Inverse Universe

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



247, 85, 209



255, 54, 208



85, 247, 204



122, 110, 120



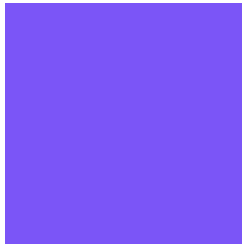
186, 0, 142



59, 0, 45

Previews

White Background



This preview shows how the RYB color 123, 85, 247 looks on a white background.

Color Contrast Check

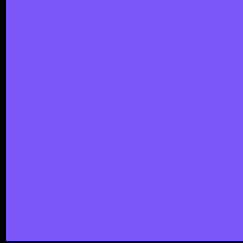
Large Text (above 18pt) WCAG AA ✓ Pass

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 123, 85, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

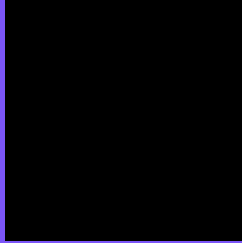
Any Text WCAG AA × Fail

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](#).

RYB 123, 85, 247 Background



This preview shows how black text looks on a background with the RYB color 123, 85, 247.

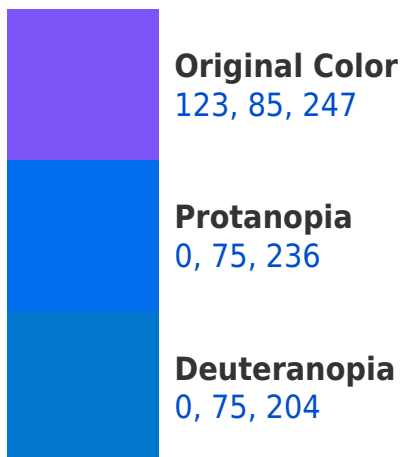


This preview shows how white text looks on a background with the RYB color 123, 85, 247.

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





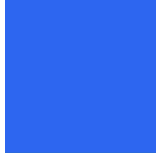
Tritanopia
88, 106, 130

Trichromacy



Original Color

123, 85, 247



Protanomaly

45, 89, 240



Deuteranomaly

45, 90, 220



Tritanomaly

101, 107, 173

Monochromacy



Original Color

123, 85, 247



Achromatopsia

115, 115, 115



Achromatomaly

118, 104, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 85, 247 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(123, 85, 247)` looks like.

```
.text, #text, p{  
    color:rgb(123, 85, 247)  
}
```

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(123, 85, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 85, 247) }
```

Border

The CSS property to change the border of an element to RYB 123, 85, 247 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(123, 85, 247) }
```

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

```
.border{ border-color:rgb(123, 85, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 85, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 85, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 85, 247);  
box-shadow:4px 4px 4px 4px rgb(123, 85,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 123, 85, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 85, 247) }
```

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

```
.background{ background-color: rgb(123, 85,  
247) }
```

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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