

Converting Colors

`RYB(103, 67, 249)`

Have a look what the booklet for
RYB(103, 67, 249) contains.

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Color

R_YB(103, 67, 249)

Conversions

Conversions Part 1

Format	Color
Hex	6743F9
RGB	103, 67, 249
RGB Percent	40%, 26%, 98%
CMY	0.5961, 0.7373, 0.0235
CMYK	0.59, 0.73, 0.00, 0.02
HSL	252°, 94%, 62%
HSV	252°, 73%, 98%
XYZ	24.6996, 13.7374, 90.9723
YIQ	98.5120, -36.9660, 64.2340

Conversions

Conversions Part 2

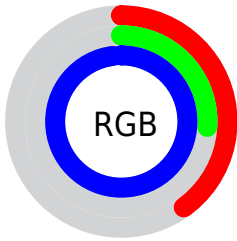
Format	Color
R _{YB}	103, 67, 249
Decimal	6767609
CIE Lab	43.85, 61.08, -85.17
CIE LCh	44, 104.811, 305.645
Yxy	13.7374, 0.1909, 0.1062
Android (android.graphics.Color)	4284957689 (0xFF6743F9)
YUV	98.5120, 74.1906, 3.9360
Hunter-Lab	37.0640, 54.0907, -119.5803

Details

The RYB color **103, 67, 249** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **67, 249, 103**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **167, 119, 255**, and **5, 12, 191** is the 20% darker color. If you saturate the color by 10%, you get **83, 42, 249**, and if you desaturate by 10%, it is **123, 92, 249**.

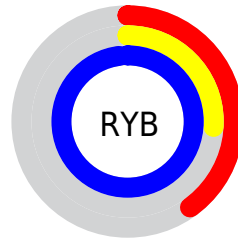
Distribution



Red (40%)

Green (26%)

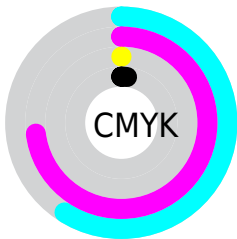
Blue (98%)



Red (40%)

Yellow (26%)

Blue (98%)

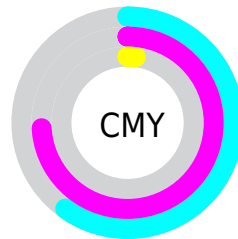


Cyan (59%)

Magenta (73%)

Yellow (0%)

Black (2%)



Cyan (60%)


















Magenta (74%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 67, 249 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 103, 67, 249 by changing the saturation by 10% instead.

 103, 67, 249	 103, 67, 249
 255, 255, 255	 67, 41, 220
 167, 119, 255	 5, 12, 191
 198, 146, 255	 0, 0, 163
 230, 173, 255	 0, 0, 136
 255, 201, 255	 0, 0, 109
 255, 230, 255	 0, 10, 84
	 0, 5, 60
	 0, 2, 37
	 0, 1, 13

■ 103, 67, 249

■ 103, 67, 249

■ 83, 42, 249

■ 123, 92, 249

■ 63, 17, 249

■ 143, 117, 249

■ 49, 0, 249

■ 163, 142, 249

■ 183, 167, 249

■ 203, 192, 249

■ 223, 216, 249

■ 243, 241, 249

■ 249, 255, 249

Harmonies

Analogous

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



0, 78, 255



103, 67, 249



213, 0, 177

Triad

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



103, 67, 249



181, 106, 0



0, 71, 134

Complementary

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



103, 67, 249



67, 249, 103

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, 118, 131



103, 67, 249



5, 112, 0

Square

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



103, 67, 249



228, 0, 0



0, 124, 124



0, 82, 205

Rectangle

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



103, 67, 249



240, 0, 121



0, 124, 124



0, 80, 133

Sweetspot

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



103, 67, 249



210, 199, 255



67, 149, 249



101, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



103, 67, 249



75, 31, 255



191, 67, 249



115, 112, 125



37, 0, 189



12, 0, 61

Inverse Universe

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



249, 67, 213



255, 31, 211



67, 249, 191



125, 112, 122



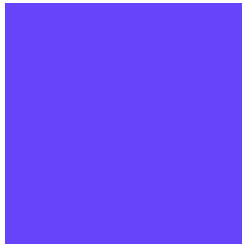
189, 0, 151



61, 0, 49

Previews

White Background



This preview shows how the RYB color 103, 67, 249 looks on a white background.

Color Contrast Check

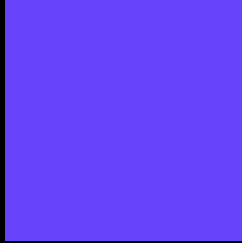
Large Text (above 18pt) WCAG AA ✓ Pass

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 103, 67, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

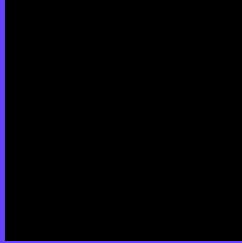
Any Text WCAG AA × Fail

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 103, 67, 249 Background



This preview shows how black text looks on a background with the RYB color 103, 67, 249.

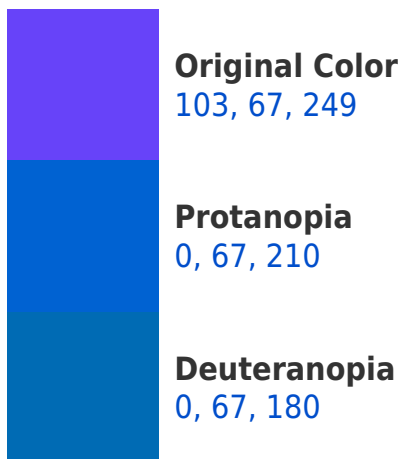


This preview shows how white text looks on a background with the RYB color 103, 67, 249.

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
48, 82, 121

Trichromacy



Original Color

103, 67, 249



Protanomaly

37, 76, 224



Deuteranomaly

37, 78, 205



Tritanomaly

68, 90, 168

Monochromacy



Original Color

103, 67, 249



Achromatopsia

99, 99, 99



Achromatomaly

100, 87, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 67, 249 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(103, 67, 249)` looks like.

```
.text, #text, p{  
  color:rgb(103, 67, 249)  
}
```

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(103, 67, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 67, 249) }
```

Border

The CSS property to change the border of an element to RYB 103, 67, 249 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(103, 67, 249) }
```

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

```
.border{ border-color:rgb(103, 67, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 67, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 67, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 67, 249);  
box-shadow:4px 4px 4px 4px rgb(103, 67,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 103, 67, 249 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 67, 249) }
```

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

```
.background{ background-color: rgb(103, 67,  
249) }
```

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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