

Converting Colors

`RYB(106, 83, 251)`

Have a look what the booklet for
RYB(106, 83, 251) contains.

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Color

R_YB(106, 83, 251)

Conversions

Conversions Part 1

Format	Color
Hex	6A53FB
RGB	106, 83, 251
RGB Percent	42%, 33%, 98%
CMY	0.5843, 0.6745, 0.0157
CMYK	0.58, 0.67, 0.00, 0.02
HSL	248°, 95%, 65%
HSV	248°, 67%, 98%
XYZ	26.4497, 16.2157, 93.0027
YIQ	109.0290, -40.2200, 57.1240

Conversions

Conversions Part 2

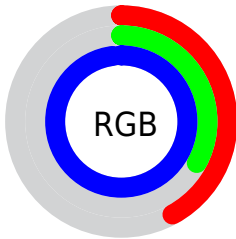
Format	Color
R _Y B	106, 83, 251
Decimal	6968315
CIE Lab	47.26, 53.78, -80.70
CIE LCh	47, 96.977, 303.680
Yxy	16.2157, 0.1950, 0.1195
Android (android.graphics.Color)	4285158395 (0xFF6A53FB)
YUV	109.0290, 69.9917, -2.6564
Hunter-Lab	40.2687, 46.7738, -108.7451

Details

The RYB color **106, 83, 251** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **83, 251, 106**, and the grayscale version is **108, 108, 108**.

A 20% lighter version of the original color is **169, 134, 255**, and **22, 33, 193** is the 20% darker color. If you saturate the color by 10%, you get **84, 58, 251**, and if you desaturate by 10%, it is **128, 108, 251**.

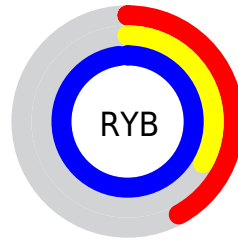
Distribution



Red (42%)

Green (33%)

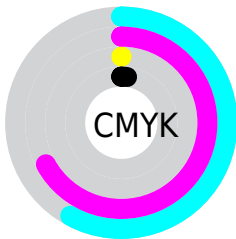
Blue (98%)



Red (42%)

Yellow (33%)

Blue (98%)

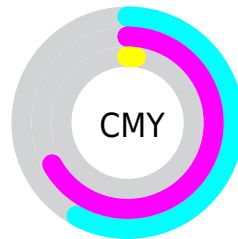


Cyan (58%)

Magenta (67%)

Yellow (0%)

Black (2%)



Cyan (58%)


















Magenta (67%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 83, 251 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 106, 83, 251 by changing the saturation by 10% instead.

 106, 83, 251	 106, 83, 251
 255, 255, 255	 71, 58, 222
 169, 134, 255	 22, 33, 193
 200, 161, 255	 0, 9, 165
 231, 189, 255	 0, 0, 138
 255, 217, 255	 0, 0, 111
 255, 245, 255	 0, 11, 86
	 0, 5, 61
	 0, 3, 39
	 0, 1, 16

■ 106, 83, 251

■ 106, 83, 251

■ 84, 58, 251

■ 128, 108, 251

■ 63, 33, 251

■ 149, 133, 251

■ 41, 8, 251

■ 171, 158, 251

■ 34, 0, 251

■ 193, 183, 251

■ 214, 209, 251

■ 236, 234, 251

■ 251, 255, 251

Harmonies

Analogous

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



0, 83, 255



106, 83, 251



212, 0, 186

Triad

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



106, 83, 251



192, 126, 0



0, 77, 143

Complementary

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



106, 83, 251



83, 251, 106

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, 116, 139



106, 83, 251



17, 128, 0

Square

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



106, 83, 251



234, 0, 25



0, 131, 108



0, 84, 202

Rectangle

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



106, 83, 251



240, 0, 133



0, 131, 108



0, 86, 142

Sweetspot

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



106, 83, 251



211, 204, 255



83, 161, 251



101, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



106, 83, 251



79, 51, 255



189, 83, 251



114, 112, 125



26, 0, 189



8, 0, 61

Inverse Universe

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



251, 83, 228



255, 51, 227



83, 251, 189



125, 112, 123



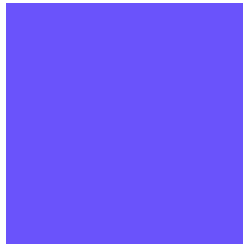
189, 0, 163



61, 0, 53

Previews

White Background



This preview shows how the RYB color 106, 83, 251 looks on a white background.

Color Contrast Check

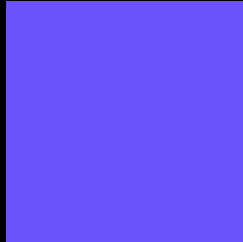
Large Text (above 18pt) WCAG AA ✓ Pass

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 106, 83, 251 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 106, 83, 251 Background



This preview shows how black text looks on a background with the RYB color 106, 83, 251.

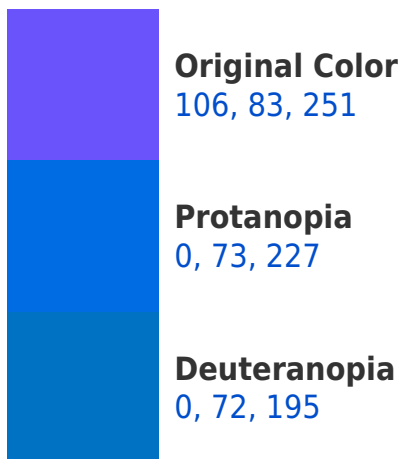


This preview shows how white text looks on a background with the RYB color 106, 83, 251.

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
57, 91, 130

Trichromacy



Original Color

106, 83, 251



Protanomaly

39, 84, 236



Deuteranomaly

39, 86, 215



Tritanomaly

75, 99, 174

Monochromacy



Original Color

106, 83, 251



Achromatopsia

109, 109, 109



Achromatomaly

108, 100, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 83, 251 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(106, 83, 251)` looks like.

```
.text, #text, p{  
    color:rgb(106, 83, 251)  
}
```

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(106, 83, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 83, 251) }
```

Border

The CSS property to change the border of an element to RYB 106, 83, 251 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(106, 83, 251) }
```

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

```
.border{ border-color:rgb(106, 83, 251) }
```

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

Here you see how a box with a 4 pixel rgb(106, 83, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 83, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 83, 251);  
box-shadow:4px 4px 4px 4px rgb(106, 83,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 106, 83, 251 is called "background".

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

```
.background, #background, body{  
background: rgb(106, 83, 251) }
```

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

```
.background{ background-color: rgb(106, 83,  
251) }
```

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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