

Converting Colors

`RYB(87, 52, 241)`

Have a look what the booklet for
RYB(87, 52, 241) contains.

RYB(87, 52, 241)	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>	29

Color

R_YB(87, 52, 241)

Conversions

Conversions Part 1

Format	Color
Hex	5734F1
RGB	87, 52, 241
RGB Percent	34%, 20%, 95%
CMY	0.6588, 0.7961, 0.0549
CMYK	0.64, 0.78, 0.00, 0.05
HSL	251°, 87%, 57%
HSV	251°, 78%, 95%
XYZ	21.0357, 10.8331, 84.2014
YIQ	84.0110, -39.8090, 66.1990

Conversions

Conversions Part 2

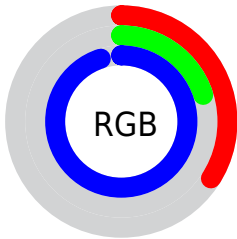
Format	Color
R _Y B	87, 52, 241
Decimal	5715185
CIE Lab	39.30, 64.09, -88.23
CIE LCh	39, 109.054, 305.993
Yxy	10.8331, 0.1812, 0.0933
Android (android.graphics.Color)	4283905265 (0xFF5734F1)
YUV	84.0110, 77.3956, 2.6214
Hunter-Lab	32.9137, 56.4833, -128.6391

Details

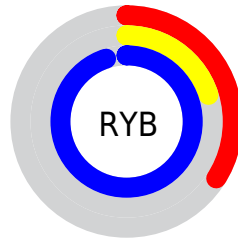
The RYB color **87, 52, 241** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **52, 241, 87**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **154, 104, 255**, and **0, 0, 183** is the 20% darker color. If you saturate the color by 10%, you get **67, 28, 241**, and if you desaturate by 10%, it is **107, 76, 241**.

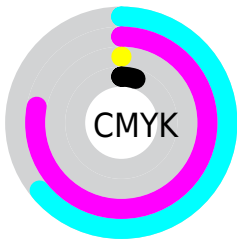
Distribution



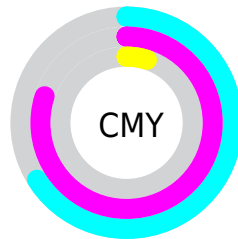
- Red (34%)
- Green (20%)
- Blue (95%)



- Red (34%)
- Yellow (20%)
- Blue (95%)



- Cyan (64%)
- Magenta (78%)
- Yellow (0%)
- Black (5%)



- Cyan (66%)
- Magenta (80%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 52, 241 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 87, 52, 241 by changing the saturation by 10% instead.



87, 52, 241



87, 52, 241

255, 255, 255



45, 24, 212



154, 104, 255



0, 0, 183



185, 131, 255



0, 0, 155



217, 158, 255



0, 0, 128



248, 186, 255



0, 3, 102



255, 214, 255



0, 9, 77



255, 243, 255



0, 5, 53



0, 2, 31



0, 0, 2

■ 87, 52, 241

■ 87, 52, 241

■ 67, 28, 241

■ 107, 76, 241

■ 48, 4, 241

■ 126, 100, 241

■ 45, 0, 241

■ 146, 124, 241

■ 166, 148, 241

■ 185, 172, 241

■ 205, 197, 241

■ 224, 221, 241

■ 241, 245, 242

■ 241, 255, 241

Harmonies

Analogous

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



0, 73, 255



87, 52, 241



203, 0, 167

Triad

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



87, 52, 241



168, 80, 0



0, 64, 122

Complementary

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



87, 52, 241



52, 241, 87

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, 119, 119



87, 52, 241



2, 98, 0

Square

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



87, 52, 241



217, 0, 0



0, 113, 113



0, 76, 198

Rectangle

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



87, 52, 241



230, 0, 109



0, 113, 113



0, 74, 121

Sweetspot

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



87, 52, 241



205, 194, 255



52, 137, 241



97, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 52, 241



60, 15, 255



181, 52, 241



110, 108, 120



34, 0, 184



10, 0, 56

Inverse Universe

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



241, 52, 206



255, 15, 211



52, 241, 181



120, 108, 118



184, 0, 150



56, 0, 46

Previews

White Background



This preview shows how the RYB color 87, 52, 241 looks on a white background.

Color Contrast Check

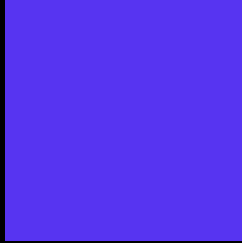
Large Text (above 18pt) WCAG AA ✓ Pass

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 87, 52, 241 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 87, 52, 241 Background



This preview shows how black text looks on a background with the RYB color 87, 52, 241.

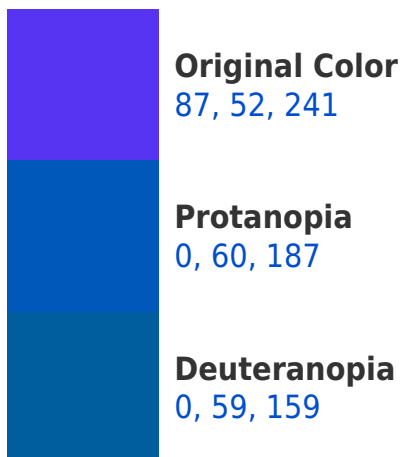


This preview shows how white text looks on a background with the RYB color 87, 52, 241.

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
0, 53, 110

Trichromacy



Original Color

87, 52, 241

Protanomaly

32, 67, 207

Deuteranomaly

32, 68, 189

Tritanomaly

32, 69, 158

Monochromacy



Original Color

87, 52, 241

Achromatopsia

84, 84, 84

Achromatomaly

85, 72, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 52, 241 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(87, 52, 241)` looks like.

```
.text, #text, p{  
    color:rgb(87, 52, 241)  
}
```

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(87, 52, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 52, 241) }
```

Border

The CSS property to change the border of an element to RYB 87, 52, 241 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(87, 52, 241) }
```

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

```
.border{ border-color:rgb(87, 52, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 52, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 52, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 52, 241);  
box-shadow:4px 4px 4px 4px rgb(87, 52,  
241) }
```

Background

The CSS property to change the background color of an element to RYB 87, 52, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 52, 241) }
```

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

```
.background{ background-color: rgb(87, 52,  
241) }
```

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