

Converting Colors

R_YB(85, 59, 247)

Have a look what the booklet for
RYB(85, 59, 247) contains.

RYB(85, 59, 247)	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(85, 59, 247)

Conversions

Conversions Part 1

Format	Color
Hex	553BF7
RGB	85, 59, 247
RGB Percent	33%, 23%, 97%
CMY	0.6667, 0.7686, 0.0314
CMYK	0.66, 0.76, 0.00, 0.03
HSL	248°, 92%, 60%
HSV	248°, 76%, 97%
XYZ	22.0988, 11.7746, 89.1037
YIQ	88.2060, -44.8520, 63.9800

Conversions

Conversions Part 2

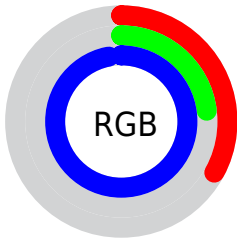
Format	Color
R _Y B	85, 59, 247
Decimal	5585911
CIE Lab	40.86, 62.39, -89.04
CIE LCh	41, 108.725, 305.016
Yxy	11.7746, 0.1797, 0.0957
Android (android.graphics.Color)	4283775991 (0xFF553BF7)
YUV	88.2060, 78.2854, -2.8117
Hunter-Lab	34.3142, 54.9065, -129.9385

Details

The RYB color **85, 59, 247** 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 **59, 247, 85**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **153, 111, 255**, and **0, 1, 189** is the 20% darker color. If you saturate the color by 10%, you get **64, 34, 247**, and if you desaturate by 10%, it is **106, 84, 247**.

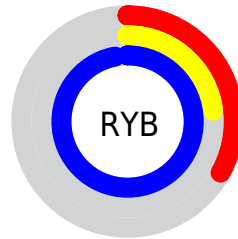
Distribution



Red (33%)

Green (23%)

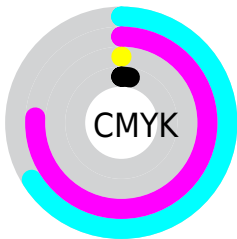
Blue (97%)



Red (33%)

Yellow (23%)

Blue (97%)

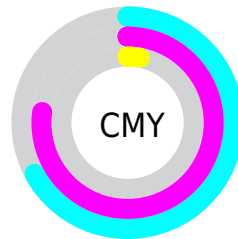


Cyan (66%)

Magenta (76%)

Yellow (0%)

Black (3%)



Cyan (67%)

Magenta (77%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 59, 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 85, 59, 247 by changing the saturation by 10% instead.



85, 59, 247



85, 59, 247

255, 255, 255



40, 33, 218



153, 111, 255



0, 1, 189



185, 137, 255



0, 0, 161



216, 164, 255



0, 0, 134



248, 192, 255



0, 1, 107



255, 221, 255



0, 10, 82



255, 250, 255



0, 5, 58



0, 2, 35



0, 0, 10

■ 85, 59, 247

■ 85, 59, 247

■ 64, 34, 247

■ 106, 84, 247

■ 42, 10, 247

■ 128, 108, 247

■ 34, 0, 247

■ 149, 133, 247

■ 170, 158, 247

■ 191, 182, 247

■ 213, 207, 247

■ 234, 232, 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, 76, 255



85, 59, 247



206, 0, 174

Triad

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



85, 59, 247



175, 82, 0



0, 67, 126

Complementary

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



85, 59, 247



59, 247, 85

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, 123, 123



85, 59, 247



6, 105, 0

Square

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



85, 59, 247



223, 0, 0



0, 116, 116



0, 78, 199

Rectangle

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



85, 59, 247



234, 0, 116



0, 116, 116



0, 77, 125

Sweetspot

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



85, 59, 247



204, 196, 255



59, 146, 247



97, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 59, 247



55, 23, 255



178, 59, 247



112, 110, 122



26, 0, 186



8, 0, 59

Inverse Universe

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



247, 59, 221



255, 23, 223



59, 247, 178



122, 110, 121



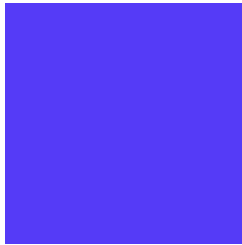
186, 0, 160



59, 0, 51

Previews

White Background



This preview shows how the RYB color 85, 59, 247 looks on a white background.

Color Contrast Check

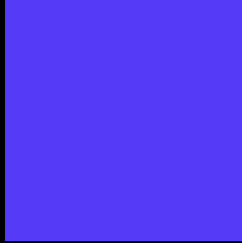
Large Text (above 18pt) WCAG AA ✓ Pass

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 85, 59, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

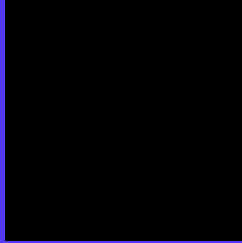
Any Text WCAG AA × Fail

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](#).

RYP 85, 59, 247 Background



This preview shows how black text looks on a background with the RYP color 85, 59, 247.

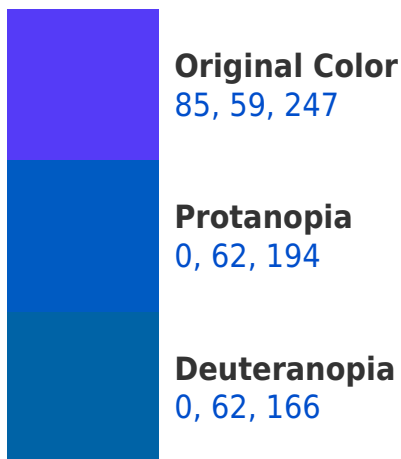


This preview shows how white text looks on a background with the RYP color 85, 59, 247.

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
0, 55, 114

Trichromacy



Original Color

85, 59, 247



Protanomaly

31, 70, 213



Deuteranomaly

31, 71, 195



Tritanomaly

31, 71, 162

Monochromacy



Original Color

85, 59, 247



Achromatopsia

88, 88, 88



Achromatomaly

87, 77, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 59, 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(85, 59, 247)` looks like.

```
.text, #text, p{  
    color:rgb(85, 59, 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(85, 59, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 59, 247) }
```

Border

The CSS property to change the border of an element to RYB 85, 59, 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(85, 59, 247) }
```

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

```
.border{ border-color:rgb(85, 59, 247) }
```

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

Here you see how a box with a 4 pixel rgb(85, 59, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 59, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 59, 247);  
box-shadow:4px 4px 4px 4px rgb(85, 59,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 85, 59, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 59, 247) }
```

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

```
.background{ background-color: rgb(85, 59,  
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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