

Converting Colors

`RYB(87, 25, 239)`

Have a look what the booklet for
RYB(87, 25, 239) contains.

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Color

R_YB(87, 25, 239)

Conversions

Conversions Part 1

Format	Color
Hex	5719EF
RGB	87, 25, 239
RGB Percent	34%, 10%, 94%
CMY	0.6588, 0.9020, 0.0627
CMYK	0.64, 0.90, 0.00, 0.06
HSL	257°, 87%, 52%
HSV	257°, 90%, 94%
XYZ	19.8581, 8.9535, 82.3429
YIQ	67.9340, -31.7420, 79.6980

Conversions

Conversions Part 2

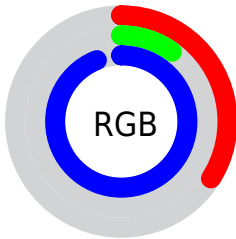
Format	Color
R _Y B	87, 25, 239
Decimal	5708271
CIE Lab	35.89, 73.01, -92.74
CIE LCh	36, 118.030, 308.210
Yxy	8.9535, 0.1787, 0.0805
Android (android.graphics.Color)	4283898351 (0xFF5719EF)
YUV	67.9340, 84.3355, 16.7209
Hunter-Lab	29.9224, 66.0980, -142.2135

Details

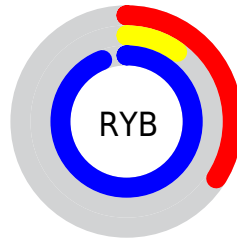
The RYB color **87, 25, 239** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **25, 239, 87**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **155, 85, 255**, and **0, 0, 181** is the 20% darker color. If you saturate the color by 10%, you get **70, 1, 239**, and if you desaturate by 10%, it is **104, 49, 239**.

Distribution



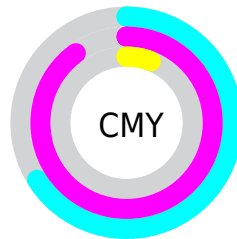
- Red (34%)
- Green (10%)
- Blue (94%)



- Red (34%)
- Yellow (10%)
- Blue (94%)



- Cyan (64%)
- Magenta (90%)
- Yellow (0%)
- Black (6%)




















- Cyan (66%)
- Magenta (90%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 25, 239 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, 25, 239 by changing the saturation by 10% instead.

 87, 25, 239	 87, 25, 239
255, 255, 255	 44, 0, 210
 155, 85, 255	 0, 0, 181
 187, 112, 255	 0, 0, 153
 218, 140, 255	 0, 0, 126
 250, 168, 255	 0, 7, 100
 255, 196, 255	 0, 8, 75
 255, 225, 255	 0, 4, 51
	 0, 2, 29
	 0, 0, 0

■ 87, 25, 239

■ 87, 25, 239

■ 70, 1, 239

■ 104, 49, 239

■ 69, 0, 239

■ 121, 73, 239

■ 138, 97, 239

■ 155, 121, 239

■ 172, 144, 239

■ 189, 168, 239

■ 206, 192, 239

■ 223, 216, 239

■ 239, 240, 239

Harmonies

Analogous

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



0, 69, 255



87, 25, 239



206, 0, 157

Triad

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



87, 25, 239



156, 65, 0



0, 57, 113

Complementary

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



87, 25, 239



25, 239, 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, 111, 111



87, 25, 239



0, 90, 10

Square

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



87, 25, 239



210, 0, 0



0, 106, 106



0, 74, 203

Rectangle

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



87, 25, 239



230, 0, 95



0, 106, 106



0, 67, 112

Sweetspot

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



87, 25, 239



206, 186, 255



25, 114, 239



99, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 25, 239



74, 0, 255



193, 25, 239



111, 108, 120



53, 0, 184



16, 0, 56

Inverse Universe

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



239, 25, 177



255, 0, 181



25, 239, 193



120, 108, 116



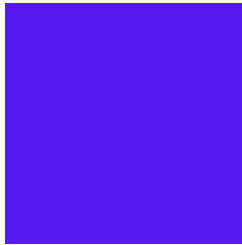
184, 0, 130



56, 0, 40

Previews

White Background



This preview shows how the RYB color 87, 25, 239 looks on a white background.

Color Contrast Check

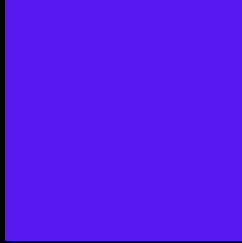
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 87, 25, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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](#).

R Y B 87, 25, 239 Background



This preview shows how black text looks on a background with the R Y B color 87, 25, 239.



This preview shows how white text looks on a background with the R Y B color 87, 25, 239.

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



Original Color

87, 25, 239

Protanopia

0, 55, 171

Deuteranopia

0, 55, 146



Tritanopia
0, 48, 100

Trichromacy



Original Color

87, 25, 239

Protanomaly

32, 57, 196

Deuteranomaly

32, 58, 180

Tritanomaly

32, 60, 151

Monochromacy



Original Color

87, 25, 239

Achromatopsia

68, 68, 68

Achromatomaly

75, 52, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 25, 239 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, 25, 239) looks like.

```
.text, #text, p{  
    color:rgb(87, 25, 239)  
}
```

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, 25, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 25, 239) }
```

Border

The CSS property to change the border of an element to RYB 87, 25, 239 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, 25, 239) }
```

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

```
.border{ border-color:rgb(87, 25, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 25, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 25, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 25, 239);  
box-shadow:4px 4px 4px 4px rgb(87, 25,  
239) }
```

Background

The CSS property to change the background color of an element to RGB 87, 25, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 25, 239) }
```

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

```
.background{ background-color: rgb(87, 25,  
239) }
```

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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