

Converting Colors

`RYB(59, 0, 255)`

Have a look what the booklet for
RYB(59, 0, 255) contains.

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Color

R_YB(59, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	3B00FF
RGB	59, 0, 255
RGB Percent	23%, 0%, 100%
CMY	0.7686, 1.0000, 0.0000
CMYK	0.77, 1.00, 0.00, 0.00
HSL	254°, 100%, 50%
HSV	254°, 100%, 100%
XYZ	19.8536, 8.1498, 95.1344
YIQ	46.7110, -46.6910, 91.8130

Conversions

Conversions Part 2

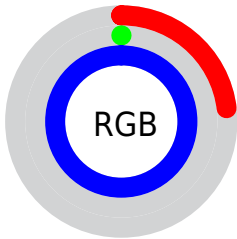
Format	Color
R _Y B	59, 0, 255
Decimal	3866879
CIE Lab	34.29, 79.89, -104.49
CIE LCh	34, 131.529, 307.400
Yxy	8.1498, 0.1612, 0.0662
Android (android.graphics.Color)	4282056959 (0xFF3B00FF)
YUV	46.7110, 102.6865, 10.7775
Hunter-Lab	28.5479, 74.1792, -177.5976

Details

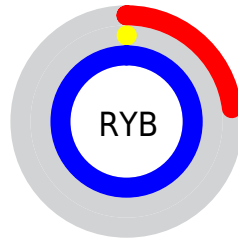
The RYB color **59, 0, 255** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **0, 255, 59**, and the grayscale version is **46, 46, 46**.

A 20% lighter version of the original color is **140, 74, 255**, and **0, 0, 196** is the 20% darker color. If you saturate the color by 10%, you get **59, 0, 255**, and if you desaturate by 10%, it is **79, 25, 255**.

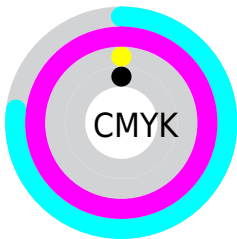
Distribution



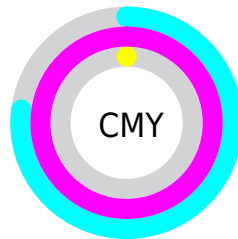
- Red (23%)
- Green (0%)
- Blue (100%)



- Red (23%)
- Yellow (0%)
- Blue (100%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)






















- Cyan (77%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 59, 0, 255 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 59, 0, 255 by changing the saturation by 10% instead.

 59, 0, 255	 59, 0, 255
 255, 255, 255	 0, 0, 225
 140, 74, 255	 0, 0, 196
 174, 102, 255	 0, 0, 168
 207, 130, 255	 0, 0, 140
 240, 158, 255	 0, 11, 113
 255, 187, 255	 0, 11, 88
 255, 216, 255	 0, 6, 63
 255, 245, 255	 0, 3, 41
	 0, 1, 18

■ 59, 0, 255

■ 79, 25, 255

■ 98, 51, 255

■ 118, 77, 255

■ 137, 102, 255

■ 157, 128, 255

■ 177, 153, 255

■ 196, 179, 255

■ 216, 204, 255

■ 235, 230, 255

Harmonies

Analogous

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



0, 70, 255



59, 0, 255



211, 0, 164

Triad

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



59, 0, 255



159, 35, 0



0, 56, 110

Complementary

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



59, 0, 255



0, 255, 59

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, 107, 107



59, 0, 255



0, 86, 10

Square

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



59, 0, 255



217, 0, 0



0, 102, 102



0, 74, 211

Rectangle

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



59, 0, 255



239, 0, 96



0, 102, 102



0, 67, 109

Sweetspot

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



59, 0, 255



196, 179, 255



0, 112, 255



92, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



59, 0, 255



183, 0, 255



118, 115, 128



44, 0, 191



15, 0, 64

Inverse Universe

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



255, 0, 196



0, 255, 183



128, 115, 125



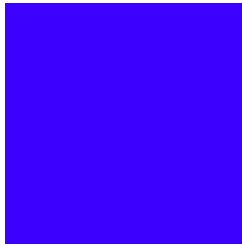
191, 0, 147



64, 0, 49

Previews

White Background



This preview shows how the RYB color 59, 0, 255 looks on a white background.

Color Contrast Check

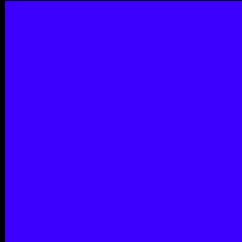
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 0, 255 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 59, 0, 255 Background



This preview shows how black text looks on a background with the RYB color 59, 0, 255.



This preview shows how white text looks on a background with the RYB color 59, 0, 255.

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
59, 0, 255

Protanopia
0, 53, 165

Deuteranopia
0, 53, 140

Trichromacy



Original Color
59, 0, 255

Protanomaly
21, 46, 198

Deuteranomaly
21, 48, 182

Monochromacy



Original Color
59, 0, 255

Achromatopsia
47, 47, 47

Achromatomaly
51, 30, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 59, 0, 255 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(59, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 0, 255)  
}
```

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(59, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 0, 255) }
```

Border

The CSS property to change the border of an element to RYB 59, 0, 255 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(59, 0, 255) }
```

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

```
.border{ border-color:rgb(59, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(59, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to RGB 59, 0, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 0, 255) }
```

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

```
.background{ background-color: rgb(59, 0,  
255) }
```

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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