

Converting Colors

`RYB(102, 59, 212)`

Have a look what the booklet for
RYB(102, 59, 212) contains.

RYB(102, 59, 212)	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(102, 59, 212)

Conversions

Conversions Part 1

Format	Color
Hex	663BD4
RGB	102, 59, 212
RGB Percent	40%, 23%, 83%
CMY	0.6000, 0.7686, 0.1686
CMYK	0.52, 0.72, 0.00, 0.17
HSL	257°, 64%, 53%
HSV	257°, 72%, 83%
XYZ	18.9271, 10.7062, 63.3563
YIQ	89.2990, -23.4850, 56.6990

Conversions

Conversions Part 2

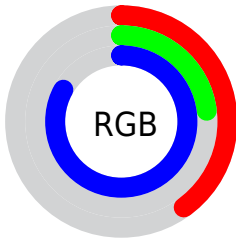
Format	Color
R_{YB}	102, 59, 212
Decimal	6699988
CIE Lab	39.08, 54.56, -72.00
CIE LCh	39, 90.340, 307.153
Yxy	10.7062, 0.2035, 0.1151
Android (android.graphics.Color)	4284890068 (0xFF663BD4)
YUV	89.2990, 60.4916, 11.1388
Hunter-Lab	32.7203, 45.9932, -91.8990

Details

The RYB color **102, 59, 212** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **59, 212, 102**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **162, 110, 255**, and **32, 3, 156** is the 20% darker color. If you saturate the color by 10%, you get **87, 38, 212**, and if you desaturate by 10%, it is **117, 80, 212**.

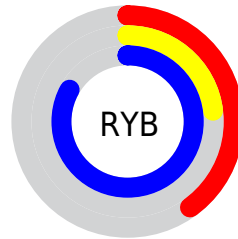
Distribution



Red (40%)

Green (23%)

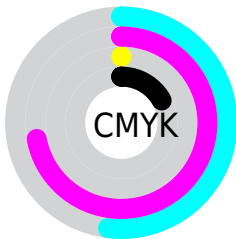
Blue (83%)



Red (40%)

Yellow (23%)

Blue (83%)

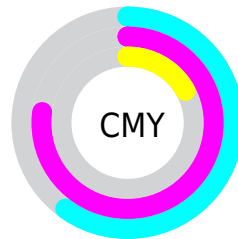


Cyan (52%)

Magenta (72%)

Yellow (0%)

Black (17%)



Cyan (60%)



















Magenta (77%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 59, 212 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 102, 59, 212 by changing the saturation by 10% instead.

 102, 59, 212	 102, 59, 212
 255, 255, 255	 70, 33, 184
 162, 110, 255	 32, 3, 156
 192, 137, 255	 0, 0, 129
 222, 164, 255	 0, 0, 103
 252, 191, 255	 0, 4, 78
 255, 220, 255	 0, 5, 54
 255, 249, 255	 0, 2, 32
	 0, 0, 4
	 0, 0, 0

■ 102, 59, 212

■ 102, 59, 212

■ 87, 38, 212

■ 117, 80, 212

■ 72, 17, 212

■ 132, 101, 212

■ 60, 0, 212

■ 148, 123, 212

■ 163, 144, 212

■ 178, 165, 212

■ 193, 186, 212

■ 209, 207, 212

■ 212, 229, 217

■ 212, 250, 223

Harmonies

Analogous

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



0, 70, 242



102, 59, 212



187, 0, 151

Triad

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



102, 59, 212



156, 109, 0



0, 62, 119

Complementary

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



102, 59, 212



59, 212, 102

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, 95, 116



102, 59, 212



2, 97, 0

Square

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



102, 59, 212



197, 0, 1



0, 110, 110



0, 72, 181

Rectangle

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



102, 59, 212



209, 0, 103



0, 110, 110



0, 69, 118

Sweetspot

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



102, 59, 212



215, 199, 255



59, 124, 212



104, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 59, 212



95, 33, 255



176, 59, 212



99, 96, 107



48, 0, 171



12, 0, 43

Inverse Universe

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



212, 59, 169



255, 33, 193



59, 212, 176



107, 96, 104



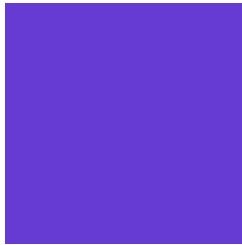
171, 0, 123



43, 0, 31

Previews

White Background



This preview shows how the RYB color 102, 59, 212 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 102, 59, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

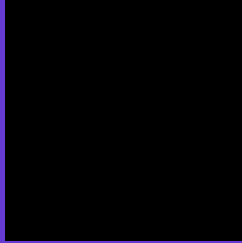
Any Text WCAG AA × Fail

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](#).

R Y B 102, 59, 212 Background



This preview shows how black text looks on a background with the R Y B color 102, 59, 212.

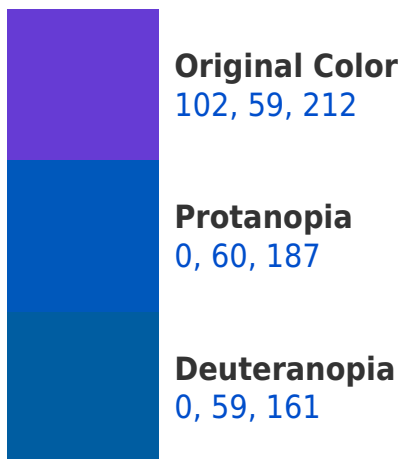



This preview shows how white text looks on a background with the R Y B color 102, 59, 212.

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
68, 84, 104

Trichromacy



Original Color

102, 59, 212



Protanomaly

37, 70, 196



Deuteranomaly

37, 71, 180



Tritanomaly

80, 83, 143

Monochromacy



Original Color

102, 59, 212



Achromatopsia

89, 89, 89



Achromatomaly

94, 78, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 59, 212 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(102, 59, 212)` looks like.

```
.text, #text, p{  
    color:rgb(102, 59, 212)  
}
```

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(102, 59, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 59, 212) }
```

Border

The CSS property to change the border of an element to RYB 102, 59, 212 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(102, 59, 212) }
```

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

```
.border{ border-color:rgb(102, 59, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 59, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 59, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 59, 212);  
box-shadow:4px 4px 4px 4px rgb(102, 59,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 102, 59, 212 is called "background".

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

```
.background, #background, body{  
background: rgb(102, 59, 212) }
```

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

```
.background{ background-color: rgb(102, 59,  
212) }
```

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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