

Converting Colors

`RYB(101, 68, 233)`

Have a look what the booklet for
RYB(101, 68, 233) contains.

RYB(101, 68, 233)	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(101, 68, 233)

Conversions

Conversions Part 1

Format	Color
Hex	6544E9
RGB	101, 68, 233
RGB Percent	40%, 27%, 91%
CMY	0.6039, 0.7333, 0.0863
CMYK	0.57, 0.71, 0.00, 0.09
HSL	252°, 79%, 59%
HSV	252°, 71%, 91%
XYZ	22.1419, 12.7841, 78.3914
YIQ	96.6770, -33.2970, 58.3110

Conversions

Conversions Part 2

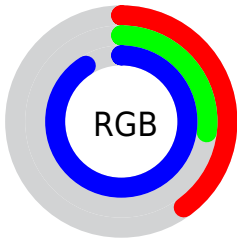
Format	Color
R_{YB}	101, 68, 233
Decimal	6636777
CIE _{Lab}	42.44, 55.77, -78.50
CIE _{LCh}	42, 96.297, 305.393
Yxy	12.7841, 0.1954, 0.1128
Android (android.graphics.Color)	4284826857 (0xFF6544E9)
YUV	96.6770, 67.2072, 3.7913
Hunter-Lab	35.7549, 47.9685, -104.9628

Details

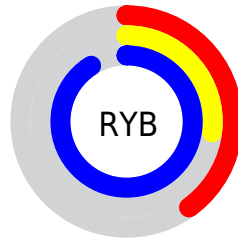
The RYB color **101, 68, 233** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **68, 233, 101**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **163, 119, 255**, and **17, 16, 176** is the 20% darker color. If you saturate the color by 10%, you get **82, 45, 233**, and if you desaturate by 10%, it is **120, 91, 233**.

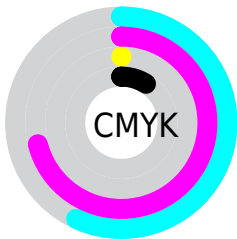
Distribution



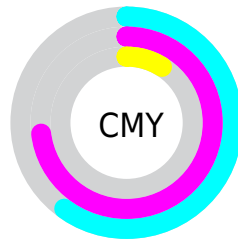
- Red (40%)
- Green (27%)
- Blue (91%)



- Red (40%)
- Yellow (27%)
- Blue (91%)



- Cyan (57%)
- Magenta (71%)
- Yellow (0%)
- Black (9%)




- Cyan (60%)
- Magenta (73%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 68, 233 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 101, 68, 233 by changing the saturation by 10% instead.

 101, 68, 233

255, 255, 255


 163, 119, 255

 194, 146, 255

 224, 173, 255


 255, 201, 255


 255, 229, 255

 101, 68, 233

 67, 43, 204

 17, 16, 176

 0, 0, 148

 0, 0, 122

 0, 0, 96

 0, 7, 71

 0, 4, 47

 0, 1, 26

 0, 0, 0

■ 101, 68, 233

■ 101, 68, 233

■ 82, 45, 233

■ 120, 91, 233

■ 64, 21, 233

■ 138, 115, 233

■ 47, 0, 233

■ 157, 138, 233

■ 176, 161, 233

■ 194, 184, 233

■ 213, 208, 233

■ 231, 231, 233

■ 233, 254, 237

■ 233, 255, 233

Harmonies

Analogous

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



0, 76, 255



101, 68, 233



200, 0, 168

Triad

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



101, 68, 233



173, 109, 0



0, 69, 129

Complementary

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



101, 68, 233



68, 233, 101

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, 126



101, 68, 233



7, 110, 0

Square

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



101, 68, 233



216, 0, 8



0, 119, 119



0, 78, 192

Rectangle

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



101, 68, 233



225, 0, 116



0, 119, 119



0, 77, 128

Sweetspot

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



101, 68, 233



212, 201, 255



68, 141, 233



102, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



101, 68, 233



82, 38, 255



184, 68, 233



108, 106, 117



36, 0, 181



11, 0, 54

Inverse Universe

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



233, 68, 200



255, 38, 212



68, 233, 183



117, 106, 115



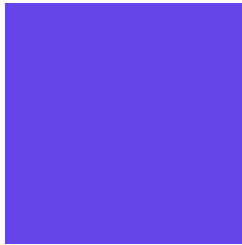
181, 0, 145



54, 0, 43

Previews

White Background



This preview shows how the RYB color 101, 68, 233 looks on a white background.

Color Contrast Check

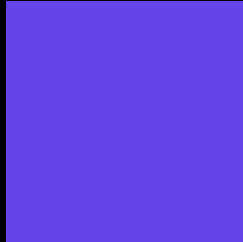
Large Text (above 18pt) WCAG AA ✓ Pass

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 101, 68, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

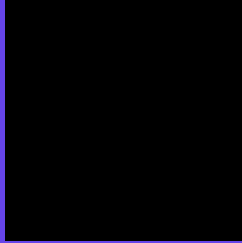
Any Text WCAG AA × Fail

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 101, 68, 233 Background



This preview shows how black text looks on a background with the RYB color 101, 68, 233.

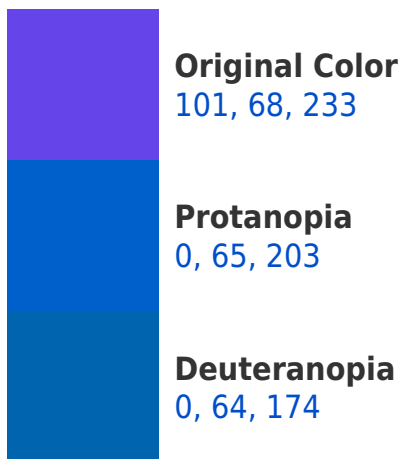


This preview shows how white text looks on a background with the RYB color 101, 68, 233.

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
56, 84, 116

Trichromacy



Original Color

101, 68, 233



Protanomaly

37, 75, 214



Deuteranomaly

37, 77, 195



Tritanomaly

72, 89, 159

Monochromacy



Original Color

101, 68, 233



Achromatopsia

97, 97, 97



Achromatomaly

98, 86, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 68, 233 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(101, 68, 233)` looks like.

```
.text, #text, p{  
    color:rgb(101, 68, 233)  
}
```

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(101, 68, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 68, 233) }
```

Border

The CSS property to change the border of an element to RYB 101, 68, 233 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(101, 68, 233) }
```

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

```
.border{ border-color:rgb(101, 68, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 68, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 68, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 68, 233);  
box-shadow:4px 4px 4px 4px rgb(101, 68,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 101, 68, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 68, 233) }
```

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

```
.background{ background-color: rgb(101, 68,  
233) }
```

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