

Converting Colors

`RYB(117, 58, 255)`

Have a look what the booklet for
RYB(117, 58, 255) contains.

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Color

R_YB(117, 58, 255)

Conversions

Conversions Part 1

Format	Color
Hex	753AFF
RGB	117, 58, 255
RGB Percent	46%, 23%, 100%
CMY	0.5412, 0.7725, 0.0000
CMYK	0.54, 0.77, 0.00, 0.00
HSL	258°, 100%, 61%
HSV	258°, 77%, 100%
XYZ	26.8992, 14.0280, 95.8977
YIQ	98.0990, -28.0730, 73.7750

Conversions

Conversions Part 2

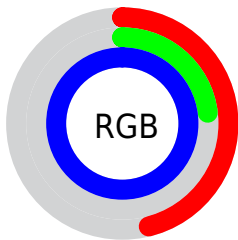
Format	Color
R_{YB}	117, 58, 255
Decimal	7682815
CIE _{Lab}	44.27, 68.48, -87.79
CIE _{LCh}	44, 111.339, 307.954
Yxy	14.0280, 0.1966, 0.1025
Android (android.graphics.Color)	4285872895 (0xFF753AFF)
YUV	98.0990, 77.3522, 16.5762
Hunter-Lab	37.4540, 62.6528, -125.5890

Details

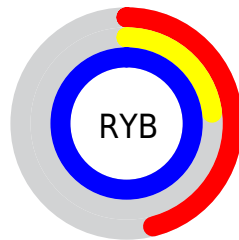
The RYB color **117, 58, 255** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **58, 255, 117**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **181, 112, 255**, and **40, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **99, 32, 255**, and if you desaturate by 10%, it is **135, 83, 255**.

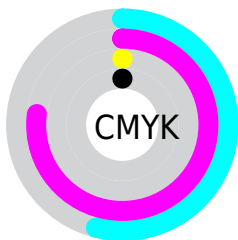
Distribution



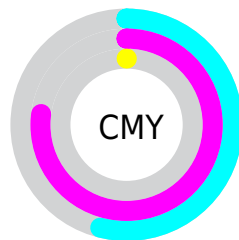
- Red (46%)
- Green (23%)
- Blue (100%)



- Red (46%)
- Yellow (23%)
- Blue (100%)



- Cyan (54%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)



















- Cyan (54%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 58, 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 117, 58, 255 by changing the saturation by 10% instead.

 117, 58, 255	 117, 58, 255
255, 255, 255	 83, 28, 226
 181, 112, 255	 40, 0, 197
 212, 139, 255	 0, 0, 169
 243, 167, 255	 0, 0, 141
 255, 195, 255	 0, 0, 114
 255, 224, 255	 0, 11, 89
255, 254, 255	 0, 6, 64
	 0, 3, 41
	 0, 1, 19

■ 117, 58, 255

■ 117, 58, 255

■ 99, 32, 255

■ 135, 83, 255

■ 81, 7, 255

■ 153, 109, 255

■ 76, 0, 255

■ 171, 134, 255

■ 188, 160, 255

■ 206, 185, 255

■ 224, 211, 255

■ 242, 236, 255

255, 255, 255

Harmonies

Analogous

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



0, 78, 255



117, 58, 255



225, 0, 176

Triad

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



117, 58, 255



181, 114, 0



0, 70, 136

Complementary

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



117, 58, 255



58, 255, 117

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, 115, 133



117, 58, 255



0, 110, 4

Square

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



117, 58, 255



233, 0, 0



0, 127, 127



0, 85, 219

Rectangle

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



117, 58, 255



250, 0, 116



0, 127, 127



0, 80, 136

Sweetspot

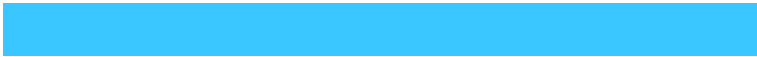
The Sweet Spot groups the original color and five complimentary colors.



117, 58, 255



214, 196, 255



58, 140, 255



102, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 58, 255



89, 18, 255



212, 58, 255



119, 115, 128



57, 0, 191



19, 0, 64

Inverse Universe

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



255, 58, 196



255, 18, 184



58, 255, 212



128, 115, 124



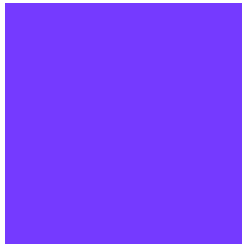
191, 0, 134



64, 0, 45

Previews

White Background



This preview shows how the RYB color 117, 58, 255 looks on a white background.

Color Contrast Check

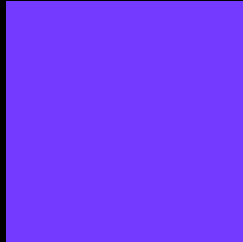
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 117, 58, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

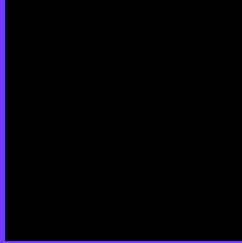
Any Text WCAG AA × Fail

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 117, 58, 255 Background



This preview shows how black text looks on a background with the RYB color 117, 58, 255.

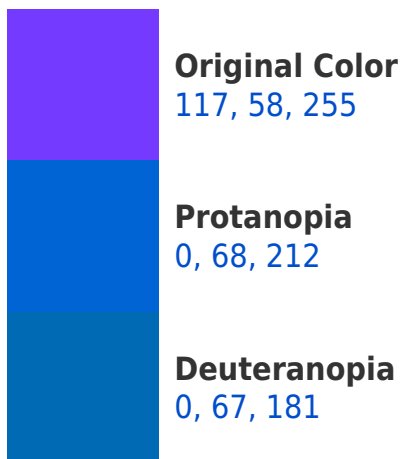



This preview shows how white text looks on a background with the RYB color 117, 58, 255.

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





Tritanopia
71, 93, 119

Trichromacy



Original Color

117, 58, 255



Protanomaly

43, 77, 228



Deuteranomaly

43, 79, 208



Tritanomaly

88, 91, 168

Monochromacy



Original Color

117, 58, 255



Achromatopsia

98, 98, 98



Achromatomaly

105, 83, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 58, 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(117, 58, 255)` looks like.

```
.text, #text, p{  
  color:rgb(117, 58, 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(117, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 58, 255) }
```

Border

The CSS property to change the border of an element to RYB 117, 58, 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(117, 58, 255) }
```

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

```
.border{ border-color:rgb(117, 58, 255) }
```

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

Here you see how a box with a 4 pixel rgb(117, 58, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 58, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 58, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 58,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 117, 58, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 58, 255) }
```

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

```
.background{ background-color: rgb(117, 58,  
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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