

Converting Colors

`RYB(117, 80, 246)`

Have a look what the booklet for RYB(117, 80, 246) contains.

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Color

R_YB(117, 80, 246)

Conversions

Conversions Part 1

Format	Color
Hex	7550F6
RGB	117, 80, 246
RGB Percent	46%, 31%, 96%
CMY	0.5412, 0.6863, 0.0353
CMYK	0.52, 0.67, 0.00, 0.04
HSL	253°, 90%, 64%
HSV	253°, 67%, 96%
XYZ	26.8393, 16.1731, 88.8959
YIQ	109.9870, -31.2340, 59.4700

Conversions

Conversions Part 2

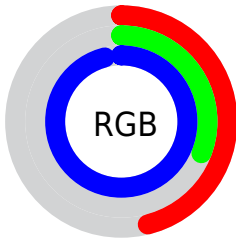
Format	Color
R _{YB}	117, 80, 246
Decimal	7688438
CIE _{Lab}	47.20, 55.61, -77.96
CIE _{LCh}	47, 95.763, 305.503
Yxy	16.1731, 0.2035, 0.1226
Android (android.graphics.Color)	4285878518 (0xFF7550F6)
YUV	109.9870, 67.0544, 6.1504
Hunter-Lab	40.2157, 48.7505, -102.9081

Details

The RYB color **117, 80, 246** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **80, 246, 117**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **178, 132, 255**, and **47, 30, 188** is the 20% darker color. If you saturate the color by 10%, you get **98, 55, 246**, and if you desaturate by 10%, it is **136, 105, 246**.

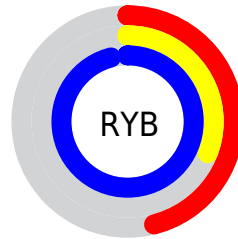
Distribution



Red (46%)

Green (31%)

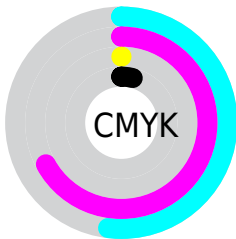
Blue (96%)



Red (46%)

Yellow (31%)

Blue (96%)

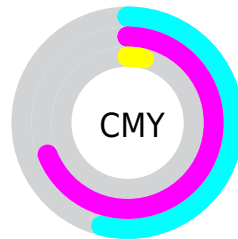


Cyan (52%)

Magenta (67%)

Yellow (0%)

Black (4%)



Cyan (54%)


















Magenta (69%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 80, 246 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, 80, 246 by changing the saturation by 10% instead.

 117, 80, 246	 117, 80, 246
 255, 255, 255	 85, 55, 217
 178, 132, 255	 47, 30, 188
 209, 159, 255	 0, 0, 161
 240, 186, 255	 0, 0, 133
 255, 214, 255	 0, 0, 107
 255, 243, 255	 0, 9, 82
	 0, 5, 58
	 0, 2, 35
	 0, 0, 10

■ 117, 80, 246

■ 117, 80, 246

■ 98, 55, 246

■ 136, 105, 246

■ 79, 31, 246

■ 155, 129, 246

■ 60, 6, 246

■ 174, 154, 246

■ 55, 0, 246

■ 193, 178, 246

■ 213, 203, 246

■ 232, 228, 246

■ 246, 252, 247

■ 246, 255, 246

Harmonies

Analogous

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



0, 82, 255



117, 80, 246



214, 0, 181

Triad

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



117, 80, 246



188, 139, 0



0, 76, 142

Complementary

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



117, 80, 246



80, 246, 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, 110, 139



117, 80, 246



11, 124, 0

Square

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



117, 80, 246



231, 0, 20



0, 131, 127



0, 84, 205

Rectangle

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



117, 80, 246



240, 0, 128



0, 131, 127



0, 84, 142

Sweetspot

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



117, 80, 246



215, 204, 255



80, 153, 246



104, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 80, 246



94, 48, 255



199, 80, 246



113, 110, 122



41, 0, 186



13, 0, 59

Inverse Universe

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



246, 80, 209



255, 48, 209



80, 246, 199



122, 110, 120



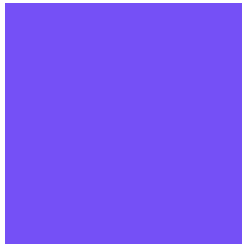
186, 0, 145



59, 0, 46

Previews

White Background



This preview shows how the RYB color 117, 80, 246 looks on a white background.

Color Contrast Check

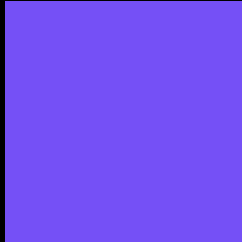
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

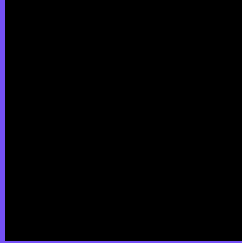
Any Text WCAG AA × Fail

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, 80, 246 Background



This preview shows how black text looks on a background with the RYB color 117, 80, 246.

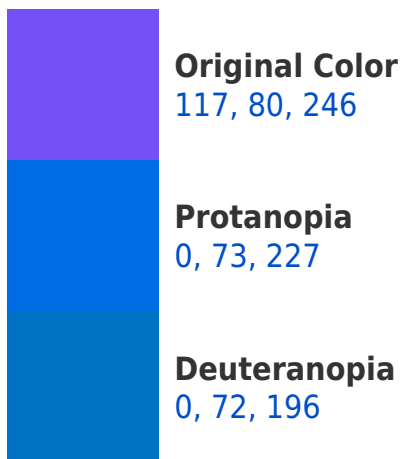


This preview shows how white text looks on a background with the RYB color 117, 80, 246.

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
79, 101, 127

Trichromacy



Original Color

117, 80, 246



Protanomaly

43, 86, 234



Deuteranomaly

43, 87, 214



Tritanomaly

93, 103, 170

Monochromacy



Original Color

117, 80, 246



Achromatopsia

110, 110, 110



Achromatomaly

113, 99, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 80, 246 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, 80, 246)` looks like.

```
.text, #text, p{  
    color:rgb(117, 80, 246)  
}
```

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, 80, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 80, 246) }
```

Border

The CSS property to change the border of an element to RYB 117, 80, 246 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, 80, 246) }
```

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

```
.border{ border-color:rgb(117, 80, 246) }
```

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

Here you see how a box with a 4 pixel rgb(117, 80, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 80, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 80, 246);  
box-shadow:4px 4px 4px 4px rgb(117, 80,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 117, 80, 246 is called "background".

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

```
.background, #background, body{  
background: rgb(117, 80, 246) }
```

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

```
.background{ background-color: rgb(117, 80,  
246) }
```

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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