

Converting Colors

`RYB(124, 80, 234)`

Have a look what the booklet for
RYB(124, 80, 234) contains.

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Color

R_YB(124, 80, 234)

Conversions

Conversions Part 1

Format	Color
Hex	7C50EA
RGB	124, 80, 234
RGB Percent	49%, 31%, 92%
CMY	0.5137, 0.6863, 0.0824
CMYK	0.47, 0.66, 0.00, 0.08
HSL	257°, 79%, 62%
HSV	257°, 66%, 92%
XYZ	26.0321, 15.9629, 79.5510
YIQ	110.7120, -23.2100, 57.2220

Conversions

Conversions Part 2

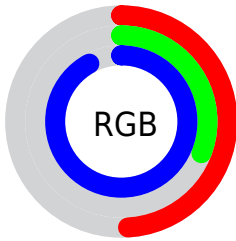
Format	Color
R_{YB}	124, 80, 234
Decimal	8147178
CIE _{Lab}	46.93, 53.48, -71.64
CIE _{LCh}	47, 89.398, 306.740
Yxy	15.9629, 0.2142, 0.1313
Android (android.graphics.Color)	4286337258 (0xFF7C50EA)
YUV	110.7120, 60.7810, 11.6536
Hunter-Lab	39.9536, 46.3844, -90.0838

Details

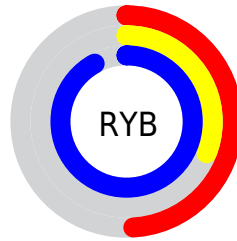
The RYB color **124, 80, 234** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **80, 234, 124**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **184, 132, 255**, and **61, 29, 177** is the 20% darker color. If you saturate the color by 10%, you get **107, 57, 234**, and if you desaturate by 10%, it is **141, 103, 234**.

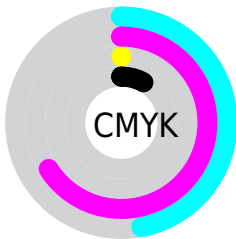
Distribution



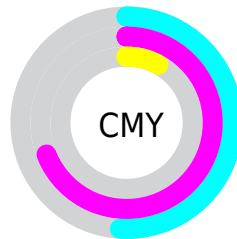
- Red (49%)
- Green (31%)
- Blue (92%)



- Red (49%)
- Yellow (31%)
- Blue (92%)



- Cyan (47%)
- Magenta (66%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (69%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 124, 80, 234 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 124, 80, 234 by changing the saturation by 10% instead.


 124, 80, 234

 124, 80, 234

255, 255, 255


 94, 55, 205


 184, 132, 255

 61, 29, 177

 214, 159, 255

 16, 0, 150

 244, 186, 255

 0, 0, 123

 255, 214, 255

 0, 0, 97

 255, 243, 255

 0, 7, 72

 0, 4, 49

 0, 1, 27

 0, 0, 0

■ 124, 80, 234

■ 124, 80, 234

■ 107, 57, 234

■ 141, 103, 234

■ 91, 33, 234

■ 157, 127, 234

■ 74, 10, 234

■ 174, 150, 234

■ 67, 0, 234

■ 191, 174, 234

■ 208, 197, 234

■ 224, 220, 234

■ 234, 244, 237

■ 234, 255, 234

Harmonies

Analogous

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



0, 80, 255



124, 80, 234



209, 0, 172

Triad

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



124, 80, 234



181, 153, 0



0, 73, 140

Complementary

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



124, 80, 234



80, 234, 124

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, 103, 137



124, 80, 234



7, 121, 0

Square

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



124, 80, 234



223, 11, 23



0, 130, 113



0, 83, 201

Rectangle

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



124, 80, 234



232, 0, 123



0, 130, 113



0, 81, 140

Sweetspot

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



124, 80, 234



219, 204, 255



80, 144, 234



106, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



124, 80, 234



111, 54, 255



201, 80, 234



109, 106, 117



52, 0, 181



15, 0, 54

Inverse Universe

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



234, 80, 190



255, 54, 197



80, 234, 201



117, 106, 114



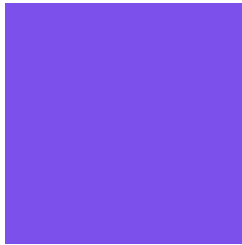
181, 0, 129



54, 0, 38

Previews

White Background



This preview shows how the RYB color 124, 80, 234 looks on a white background.

Color Contrast Check

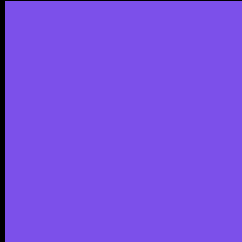
Large Text (above 18pt) WCAG AA ✓ Pass

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 124, 80, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

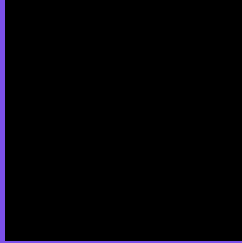
Any Text WCAG AA × Fail

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 124, 80, 234 Background



This preview shows how black text looks on a background with the RYB color 124, 80, 234.

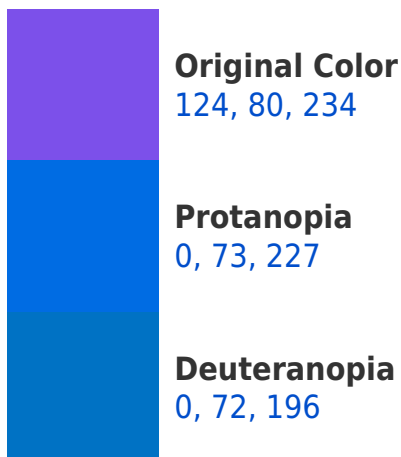


This preview shows how white text looks on a background with the RYB color 124, 80, 234.

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





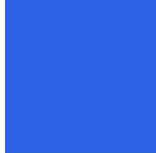
Tritanopia
94, 106, 123

Trichromacy



Original Color

124, 80, 234



Protanomaly

45, 86, 230



Deuteranomaly

45, 87, 210



Tritanomaly

105, 102, 163

Monochromacy



Original Color

124, 80, 234



Achromatopsia

111, 111, 111



Achromatomaly

116, 100, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 124, 80, 234 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(124, 80, 234)` looks like.

```
.text, #text, p{  
    color:rgb(124, 80, 234)  
}
```

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(124, 80, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 80, 234) }
```

Border

The CSS property to change the border of an element to RYB 124, 80, 234 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(124, 80, 234) }
```

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

```
.border{ border-color:rgb(124, 80, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 80, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 80, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 80, 234);  
box-shadow:4px 4px 4px 4px rgb(124, 80,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 124, 80, 234 is called "background".

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

```
.background, #background, body{  
background: rgb(124, 80, 234) }
```

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

```
.background{ background-color: rgb(124, 80,  
234) }
```

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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