

Converting Colors

`RYB(128, 96, 255)`

Have a look what the booklet for
RYB(128, 96, 255) contains.

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Color

`RYB(128, 96, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	8060FF
RGB	128, 96, 255
RGB Percent	50%, 38%, 100%
CMY	0.4980, 0.6235, 0.0000
CMYK	0.50, 0.62, 0.00, 0.00
HSL	252°, 100%, 69%
HSV	252°, 62%, 100%
XYZ	31.1350, 20.1749, 96.8609
YIQ	123.6940, -31.9670, 56.2330

Conversions

Conversions Part 2

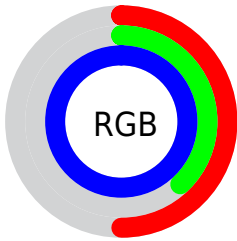
Format	Color
R _Y B	128, 96, 255
Decimal	8413439
CIE Lab	52.03, 51.42, -75.05
CIE LCh	52, 90.975, 304.417
Yxy	20.1749, 0.2101, 0.1362
Android (android.graphics.Color)	4286603519 (0xFF8060FF)
YUV	123.6940, 64.7339, 3.7764
Hunter-Lab	44.9165, 45.1276, -96.4152

Details

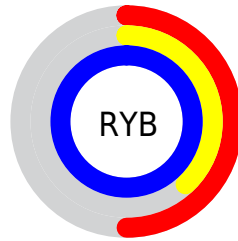
The RYB color **128, 96, 255** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **96, 255, 128**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **189, 148, 255**, and **63, 47, 197** is the 20% darker color. If you saturate the color by 10%, you get **108, 71, 255**, and if you desaturate by 10%, it is **148, 122, 255**.

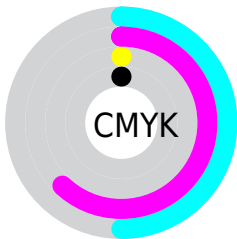
Distribution



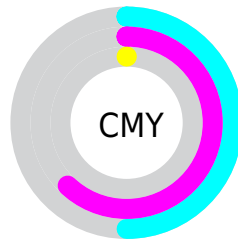
- Red (50%)
- Green (38%)
- Blue (100%)



- Red (50%)
- Yellow (38%)
- Blue (100%)



- Cyan (50%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)



















- Cyan (50%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 96, 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 128, 96, 255 by changing the saturation by 10% instead.

 128, 96, 255	 128, 96, 255
 255, 255, 255	 97, 71, 226
 189, 148, 255	 63, 47, 197
 219, 175, 255	 11, 21, 169
 250, 203, 255	 0, 0, 142
 255, 232, 255	 0, 0, 115
	 0, 0, 90
	 0, 6, 65
	 0, 3, 42
	 0, 1, 20

■ 128, 96, 255

■ 128, 96, 255

■ 108, 71, 255

■ 148, 122, 255

■ 87, 45, 255

■ 169, 147, 255

■ 67, 20, 255

■ 189, 173, 255

■ 51, 0, 255

■ 209, 198, 255

■ 230, 224, 255

■ 250, 249, 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, 87, 255



128, 96, 255



222, 27, 193

Triad

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



128, 96, 255



202, 169, 0



0, 83, 155

Complementary

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



128, 96, 255



96, 255, 128

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, 114, 151



128, 96, 255



18, 141, 0

Square

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



128, 96, 255



244, 29, 40



0, 143, 92



0, 89, 211

Rectangle

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



128, 96, 255



249, 0, 142



0, 143, 92



0, 91, 154

Sweetspot

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



128, 96, 255



216, 207, 255



96, 167, 255



104, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 96, 255



102, 64, 255



207, 96, 255



117, 115, 128



38, 0, 191



13, 0, 64

Inverse Universe

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



255, 96, 223



255, 64, 217



96, 255, 207



128, 115, 125



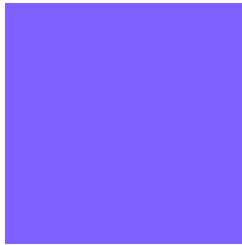
191, 0, 153



64, 0, 51

Previews

White Background



This preview shows how the RYB color 128, 96, 255 looks on a white background.

Color Contrast Check

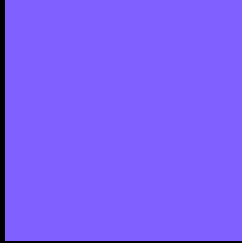
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 128, 96, 255 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 128, 96, 255 Background



This preview shows how black text looks on a background with the RYB color 128, 96, 255.

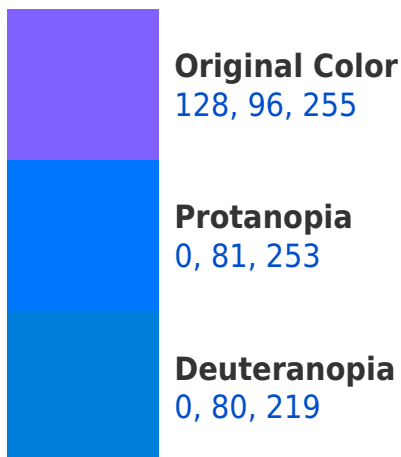


This preview shows how white text looks on a background with the RYB color 128, 96, 255.

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

94, 114, 140

Trichromacy



Original Color

128, 96, 255



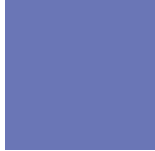
Protanomaly

47, 96, 254



Deuteranomaly

47, 97, 232



Tritanomaly

106, 116, 182

Monochromacy



Original Color

128, 96, 255



Achromatopsia

124, 124, 124



Achromatomaly

125, 114, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 96, 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(128, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 96, 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(128, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 96, 255) }
```

Border

The CSS property to change the border of an element to RYB 128, 96, 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(128, 96, 255) }
```

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

```
.border{ border-color:rgb(128, 96, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 96, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 96,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 128, 96, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 96, 255) }
```

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

```
.background{ background-color: rgb(128, 96,  
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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