

Converting Colors

`RYB(118, 96, 228)`

Have a look what the booklet for
RYB(118, 96, 228) contains.

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Color

R_YB(118, 96, 228)

Conversions

Conversions Part 1

Format	Color
Hex	7660E4
RGB	118, 96, 228
RGB Percent	46%, 38%, 89%
CMY	0.5373, 0.6235, 0.1059
CMYK	0.48, 0.58, 0.00, 0.11
HSL	250°, 71%, 64%
HSV	250°, 58%, 89%
XYZ	25.6577, 17.8187, 75.4858
YIQ	117.6260, -29.2600, 45.7160

Conversions

Conversions Part 2

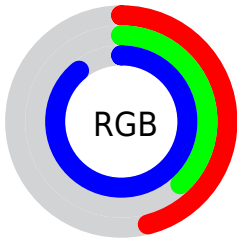
Format	Color
R _Y B	118, 96, 228
Decimal	7758052
CIE Lab	49.28, 41.78, -64.47
CIE LCh	49, 76.823, 302.950
Yxy	17.8187, 0.2157, 0.1498
Android (android.graphics.Color)	4285948132 (0xFF7660E4)
YUV	117.6260, 54.4144, 0.3280
Hunter-Lab	42.2122, 34.6254, -76.4765

Details

The RYB color **118, 96, 228** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **96, 228, 118**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **177, 147, 255**, and **56, 48, 172** is the 20% darker color. If you saturate the color by 10%, you get **99, 73, 228**, and if you desaturate by 10%, it is **137, 119, 228**.

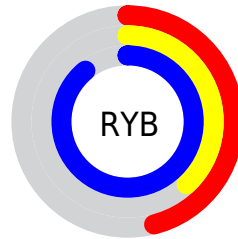
Distribution



Red (46%)

Green (38%)

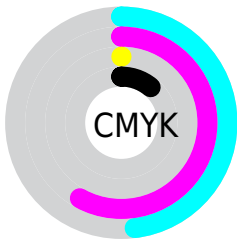
Blue (89%)



Red (46%)

Yellow (38%)

Blue (89%)

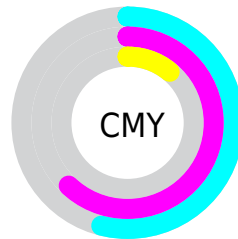


Cyan (48%)

Magenta (58%)

Yellow (0%)

Black (11%)



Cyan (54%)

Magenta (62%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 96, 228 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 118, 96, 228 by changing the saturation by 10% instead.

 118, 96, 228

255, 255, 255

 177, 147, 255

 206, 174, 255

 236, 202, 255

 255, 230, 255

 118, 96, 228

 88, 72, 199

 56, 48, 172

 9, 24, 144

 0, 4, 118

 0, 0, 92

 0, 6, 68

 0, 3, 44

 0, 1, 23

 0, 0, 0

■ 118, 96, 228

■ 118, 96, 228

■ 99, 73, 228

■ 137, 119, 228

■ 80, 50, 228

■ 156, 142, 228

■ 61, 28, 228

■ 175, 164, 228

■ 42, 5, 228

■ 194, 187, 228

■ 38, 0, 228

■ 213, 210, 228

■ 228, 233, 229

■ 228, 255, 232

■ 228, 255, 228

Harmonies

Analogous

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



0, 83, 249



118, 96, 228



198, 54, 178

Triad

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



118, 96, 228



188, 173, 0



0, 78, 144

Complementary

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



118, 96, 228



96, 228, 118

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, 102, 141



118, 96, 228



23, 137, 0

Square

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



118, 96, 228



221, 50, 50



0, 133, 65



0, 81, 187

Rectangle

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



118, 96, 228



222, 21, 135



0, 133, 65



0, 85, 144

Sweetspot

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



118, 96, 228



219, 212, 255



96, 156, 228



106, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 96, 228



108, 79, 255



184, 96, 228



105, 103, 115



30, 0, 179



9, 0, 51

Inverse Universe

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



228, 96, 206



255, 79, 226



96, 228, 184



115, 103, 113



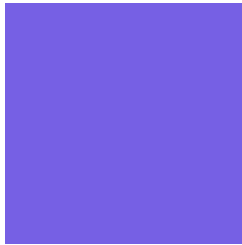
179, 0, 149



51, 0, 43

Previews

White Background



This preview shows how the RYB color 118, 96, 228 looks on a white background.

Color Contrast Check

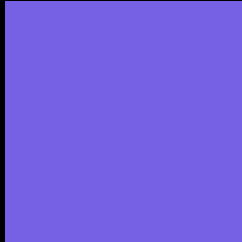
Large Text (above 18pt) WCAG AA ✓ Pass

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 118, 96, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

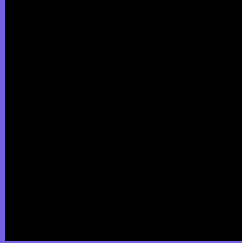
Any Text WCAG AA ✓ Pass

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 118, 96, 228 Background



This preview shows how black text looks on a background with the RYB color 118, 96, 228.

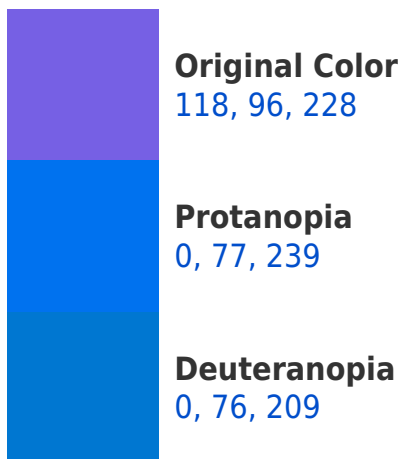


This preview shows how white text looks on a background with the RYB color 118, 96, 228.

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





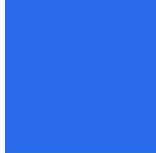
Tritanopia
91, 109, 132

Trichromacy



Original Color

118, 96, 228



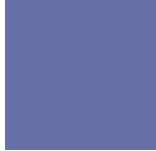
Protanomaly

43, 91, 235



Deuteranomaly

43, 92, 216



Tritanomaly

101, 111, 167

Monochromacy



Original Color

118, 96, 228



Achromatopsia

118, 118, 118



Achromatomaly

118, 110, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 96, 228 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(118, 96, 228)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 228)  
}
```

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(118, 96, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 228) }
```

Border

The CSS property to change the border of an element to RYB 118, 96, 228 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(118, 96, 228) }
```

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

```
.border{ border-color:rgb(118, 96, 228) }
```

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

Here you see how a box with a 4 pixel rgb(118, 96, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 228);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 118, 96, 228 is called "background".

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

```
.background, #background, body{  
background: rgb(118, 96, 228) }
```

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

```
.background{ background-color: rgb(118, 96,  
228) }
```

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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