

# Converting Colors

RGB(117, 96, 213)

Have a look what the booklet for  
RGB(117, 96, 213) contains.

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# Color

**RGB(117, 96, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7560D5
RGB	117, 96, 213
RGB Percent	46%, 38%, 84%
CMY	0.5412, 0.6235, 0.1647
CMYK	0.45, 0.55, 0.00, 0.16
HSL	251°, 58%, 61%
HSV	251°, 55%, 84%
XYZ	23.5292, 16.9517, 64.9827
YIQ	115.6170, -25.0410, 40.8390

# Conversions

## Conversions Part 2

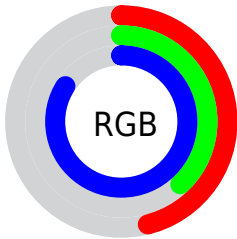
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 96, 213
Decimal	7692501
CIE <sub>Lab</sub>	48.20, 37.23, -57.70
CIE <sub>LCh</sub>	48, 68.667, 302.831
Yxy	16.9517, 0.2231, 0.1607
Android (android.graphics.Color)	4285882581 (0xFF7560D5)
YUV	115.6170, 48.0098, 1.2129
Hunter-Lab	41.1725, 29.9572, -64.7568

# Details

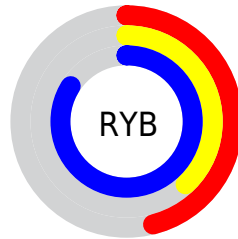
The RGB color **117, 96, 213** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **192, 213, 96**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **174, 147, 255**, and **59, 49, 157** is the 20% darker color. If you saturate the color by 10%, you get **100, 75, 213**, and if you desaturate by 10%, it is **134, 117, 213**.

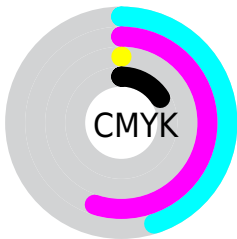
# Distribution



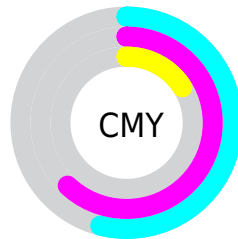
- Red (46%)
- Green (38%)
- Blue (84%)



- Red (46%)
- Yellow (38%)
- Blue (84%)



- Cyan (45%)
- Magenta (55%)
- Yellow (0%)
- Black (16%)



- Cyan (54%)
- Magenta (62%)
- Yellow (16%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 117, 96, 213 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 RGB color 117, 96, 213 by changing the saturation by 10% instead.



 117, 96, 213

255, 255, 255

 174, 147, 255

 203, 174, 255

 233, 202, 255

 255, 230, 255

 117, 96, 213

 88, 72, 185

 59, 49, 157

 22, 27, 131

 0, 6, 105

 0, 0, 80

 0, 5, 56

 0, 2, 34

 0, 0, 7

 0, 0, 0

■ 117, 96, 213

■ 117, 96, 213

■ 100, 75, 213

■ 134, 117, 213

■ 82, 53, 213

■ 152, 139, 213

■ 65, 32, 213

■ 169, 160, 213

■ 47, 11, 213

■ 187, 181, 213

■ 38, 0, 213

■ 204, 203, 213

■ 222, 224, 213

■ 239, 245, 213

■ 255, 255, 213

# Harmonies

## Analogous

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



0, 120, 232



117, 96, 213



187, 63, 168

# Triad

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



117, 96, 213



179, 90, 0



0, 139, 119

# Complementary

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



117, 96, 213



192, 213, 96

# 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, 136, 57



117, 96, 213



134, 114, 0

# Square

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



117, 96, 213



208, 60, 55



74, 128, 0



0, 139, 176

# Rectangle

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



117, 96, 213



209, 44, 131



74, 128, 0



0, 139, 98



# Sweetspot

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



117, 96, 213



222, 214, 255



96, 193, 213



108, 103, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



117, 96, 213



117, 87, 255



174, 96, 213



98, 96, 107



31, 0, 171



8, 0, 43



# Inverse Universe

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



213, 96, 192



255, 87, 225



135, 213, 96



107, 96, 105



171, 0, 140



43, 0, 36



# Previews

## White Background



This preview shows how the RGB color 117, 96, 213 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 RGB color 117, 96, 213 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](#).



## RGB 117, 96, 213 Background



This preview shows how black text looks on a background with the RGB color 117, 96, 213.



This preview shows how white text looks on a background with the RGB color 117, 96, 213.

# 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



**Original Color**  
117, 96, 213

**Protanopia**  
35, 110, 228

**Deuteranopia**  
0, 116, 206



# Tritanopia

95, 118, 127

# Trichromacy



**Original Color**  
117, 96, 213

**Protanomaly**  
65, 105, 223

**Deuteranomaly**  
43, 109, 209

**Tritanomaly**  
103, 110, 158

# Monochromacy



**Original Color**  
117, 96, 213

**Achromatopsia**  
116, 116, 116

**Achromatomaly**  
116, 109, 151

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 117, 96, 213 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, 96, 213)` looks like.

```
.text, #text, p{  
    color:rgb(117, 96, 213)  
}
```

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, 96, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 96, 213) }
```

## Border

The CSS property to change the border of an element to RGB 117, 96, 213 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, 96, 213) }
```

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

```
.border{ border-color:rgb(117, 96, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 96, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 96, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 96, 213);  
box-shadow:4px 4px 4px 4px rgb(117, 96,  
213) }
```

# Background

The CSS property to change the background color of an element to RGB 117, 96, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 96, 213) }
```

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

```
.background{ background-color: rgb(117, 96,  
213) }
```

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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