

Converting Colors

RGB(116, 81, 214)

Have a look what the booklet for
RGB(116, 81, 214) contains.

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Color

RGB(116, 81, 214)

Conversions

Conversions Part 1

Format	Color
Hex	7451D6
RGB	116, 81, 214
RGB Percent	45%, 32%, 84%
CMY	0.5451, 0.6824, 0.1608
CMYK	0.46, 0.62, 0.00, 0.16
HSL	256°, 62%, 58%
HSV	256°, 62%, 84%
XYZ	22.2825, 14.4529, 65.2336
YIQ	106.6270, -21.8330, 48.7830

Conversions

Conversions Part 2

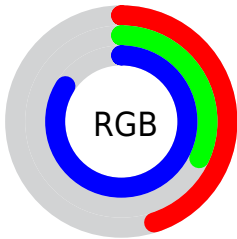
Format	Color
R_{YB}	116, 81, 214
Decimal	7623126
CIE _{Lab}	44.88, 45.91, -63.65
CIE _{LCh}	45, 78.476, 305.804
Yxy	14.4529, 0.2185, 0.1417
Android (android.graphics.Color)	4285813206 (0xFF7451D6)
YUV	106.6270, 52.9349, 8.2201
Hunter-Lab	38.0170, 38.0926, -75.1243

Details

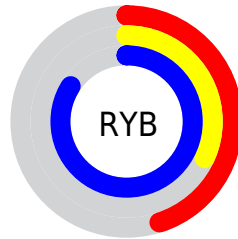
The RGB color **116, 81, 214** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **179, 214, 81**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **174, 132, 255**, and **56, 33, 158** is the 20% darker color. If you saturate the color by 10%, you get **100, 60, 214**, and if you desaturate by 10%, it is **132, 102, 214**.

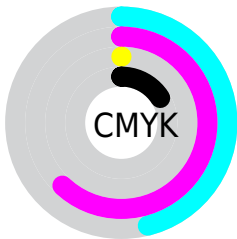
Distribution



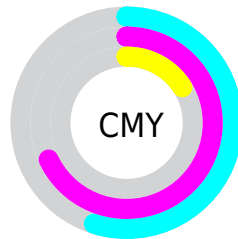
- Red (45%)
- Green (32%)
- Blue (84%)



- Red (45%)
- Yellow (32%)
- Blue (84%)



- Cyan (46%)
- Magenta (62%)
- Yellow (0%)
- Black (16%)




















- Cyan (55%)
- Magenta (68%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RGB color 116, 81, 214 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 116, 81, 214 by changing the saturation by 10% instead.

 116, 81, 214	 116, 81, 214
 255, 255, 255	 87, 57, 186
 174, 132, 255	 56, 33, 158
 203, 159, 255	 13, 7, 131
 233, 186, 255	 0, 0, 105
 255, 214, 255	 0, 0, 80
 255, 243, 255	 0, 5, 56
	 0, 2, 34
	 0, 0, 8
	 0, 0, 0

■ 116, 81, 214

■ 116, 81, 214

■ 100, 60, 214

■ 132, 102, 214

■ 84, 38, 214

■ 148, 124, 214

■ 69, 17, 214

■ 163, 145, 214

■ 56, 0, 214

■ 179, 167, 214

■ 195, 188, 214

■ 211, 209, 214

■ 226, 231, 214

■ 242, 252, 214

■ 255, 255, 214

Harmonies

Analogous

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



0, 111, 239



116, 81, 214



191, 27, 161

Triad

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



116, 81, 214



171, 81, 0



0, 133, 118

Complementary

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



116, 81, 214



179, 214, 81

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, 130, 47



116, 81, 214



119, 108, 0

Square

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



116, 81, 214



206, 35, 32



42, 123, 0



0, 133, 182

Rectangle

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



116, 81, 214



212, 0, 118



42, 123, 0



0, 132, 95

Sweetspot

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



116, 81, 214



219, 207, 255



81, 181, 214



106, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 81, 214



114, 64, 255



181, 81, 214



99, 96, 107



45, 0, 171



11, 0, 43

Inverse Universe

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



214, 81, 179



255, 64, 205



114, 214, 81



107, 96, 104



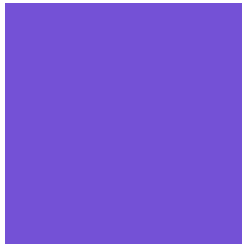
171, 0, 126



43, 0, 32

Previews

White Background



This preview shows how the RGB color 116, 81, 214 looks on a white background.

Color Contrast Check

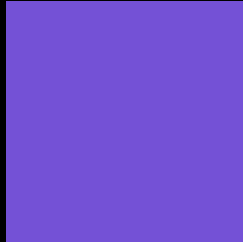
Large Text (above 18pt) WCAG AA ✓ Pass

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 116, 81, 214 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 116, 81, 214 Background



This preview shows how black text looks on a background with the RGB color 116, 81, 214.

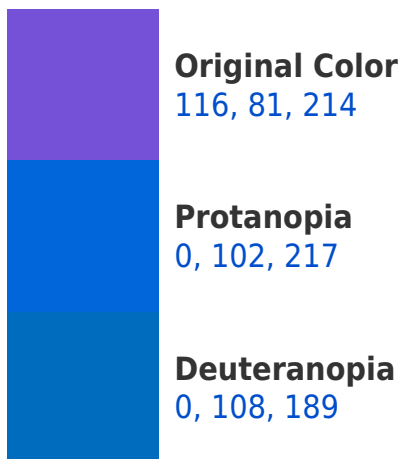


This preview shows how white text looks on a background with the RGB color 116, 81, 214.

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





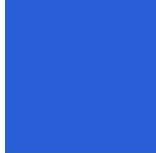
Tritanopia
91, 109, 118

Trichromacy



Original Color

116, 81, 214



Protanomaly

42, 94, 216



Deuteranomaly

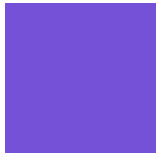
42, 98, 198



Tritanomaly

100, 99, 153

Monochromacy



Original Color

116, 81, 214



Achromatopsia

107, 107, 107



Achromatomaly

110, 98, 146

CSS Examples

Text

The CSS property to change the color of the text to RGB 116, 81, 214 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(116, 81, 214)` looks like.

```
.text, #text, p{  
    color:rgb(116, 81, 214)  
}
```

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(116, 81, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 81, 214) }
```

Border

The CSS property to change the border of an element to RGB 116, 81, 214 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(116, 81, 214) }
```

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

```
.border{ border-color:rgb(116, 81, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 81, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 81, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 81, 214);  
box-shadow:4px 4px 4px 4px rgb(116, 81,  
214) }
```

Background

The CSS property to change the background color of an element to RGB 116, 81, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 81, 214) }
```

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

```
.background{ background-color: rgb(116, 81,  
214) }
```

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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