

Converting Colors

RGB(116, 88, 215)

Have a look what the booklet for
RGB(116, 88, 215) contains.

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Color

RGB(116, 88, 215)

Conversions

Conversions Part 1

Format	Color
Hex	7458D7
RGB	116, 88, 215
RGB Percent	45%, 35%, 84%
CMY	0.5451, 0.6549, 0.1569
CMYK	0.46, 0.59, 0.00, 0.16
HSL	253°, 61%, 59%
HSV	253°, 59%, 84%
XYZ	22.9579, 15.5987, 66.0908
YIQ	110.8500, -24.0790, 45.4330

Conversions

Conversions Part 2

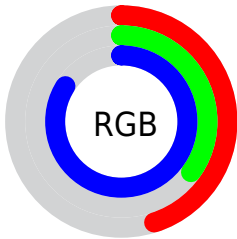
Format	Color
R_{YB}	116, 88, 215
Decimal	7624919
CIE _{Lab}	46.44, 42.23, -61.68
CIE _{LCh}	46, 74.752, 304.402
Yxy	15.5987, 0.2194, 0.1491
Android (android.graphics.Color)	4285814999 (0xFF7458D7)
YUV	110.8500, 51.3459, 4.5165
Hunter-Lab	39.4952, 34.6424, -71.5684

Details

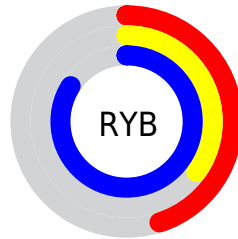
The RGB color **116, 88, 215** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **187, 215, 88**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **174, 139, 255**, and **56, 40, 159** is the 20% darker color. If you saturate the color by 10%, you get **99, 67, 215**, and if you desaturate by 10%, it is **133, 110, 215**.

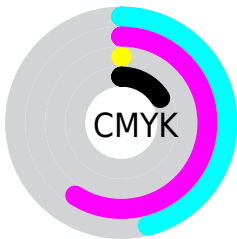
Distribution



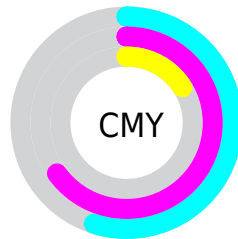
- Red (45%)
- Green (35%)
- Blue (84%)



- Red (45%)
- Yellow (35%)
- Blue (84%)



- Cyan (46%)
- Magenta (59%)
- Yellow (0%)
- Black (16%)




















- Cyan (55%)
- Magenta (65%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RGB color 116, 88, 215 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, 88, 215 by changing the saturation by 10% instead.

 116, 88, 215	 116, 88, 215
 255, 255, 255	 87, 64, 187
 174, 139, 255	 56, 40, 159
 203, 166, 255	 15, 17, 132
 233, 193, 255	 0, 0, 106
 255, 221, 255	 0, 0, 81
 255, 250, 255	 0, 5, 57
	 0, 2, 35
	 0, 0, 9
	 0, 0, 0


 116, 88, 215

 116, 88, 215


 99, 67, 215

 133, 110, 215


 82, 45, 215

 150, 131, 215


 66, 24, 215

 166, 153, 215

 49, 2, 215

 183, 174, 215

 47, 0, 215

 200, 196, 215

 217, 217, 215

 233, 239, 215

 250, 255, 215

 255, 255, 215

Harmonies

Analogous

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



0, 116, 237



116, 88, 215



190, 46, 165

Triad

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



116, 88, 215



175, 85, 0



0, 136, 118

Complementary

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



116, 88, 215



187, 215, 88

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, 133, 51



116, 88, 215



126, 111, 0

Square

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



116, 88, 215



208, 46, 43



57, 126, 0



0, 136, 180

Rectangle

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



116, 88, 215



212, 8, 125



57, 126, 0



0, 135, 96

Sweetspot

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



116, 88, 215



219, 209, 255



88, 187, 215



106, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 88, 215



114, 74, 255



179, 88, 215



99, 96, 107



38, 0, 171



10, 0, 43

Inverse Universe

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



215, 88, 187



255, 74, 215



124, 215, 88



107, 96, 105



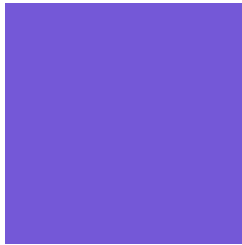
171, 0, 133



43, 0, 34

Previews

White Background



This preview shows how the RGB color 116, 88, 215 looks on a white background.

Color Contrast Check

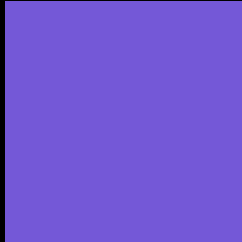
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

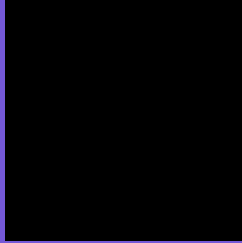
Any Text WCAG AA × Fail

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, 88, 215 Background



This preview shows how black text looks on a background with the RGB color 116, 88, 215.

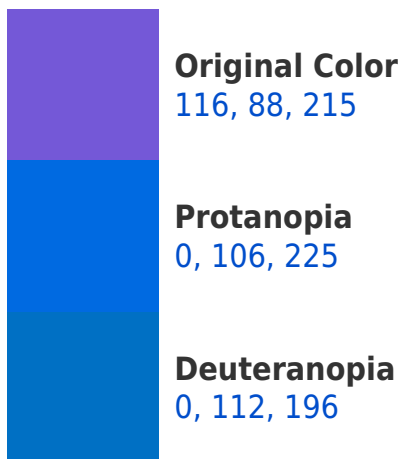


This preview shows how white text looks on a background with the RGB color 116, 88, 215.

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, 113, 122

Trichromacy



Original Color

116, 88, 215



Protanomaly

42, 99, 221



Deuteranomaly

42, 103, 203



Tritanomaly

100, 104, 156

Monochromacy



Original Color

116, 88, 215



Achromatopsia

111, 111, 111



Achromatomaly

113, 103, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 116, 88, 215 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, 88, 215)` looks like.

```
.text, #text, p{  
    color:rgb(116, 88, 215)  
}
```

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, 88, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 88, 215) }
```

Border

The CSS property to change the border of an element to RGB 116, 88, 215 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, 88, 215) }
```

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

```
.border{ border-color:rgb(116, 88, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 88, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 88, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 88, 215); box-shadow:4px 4px 4px 4px rgb(116, 88, 215) }
```

Background

The CSS property to change the background color of an element to RGB 116, 88, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 88, 215) }
```

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

```
.background{ background-color: rgb(116, 88,  
215) }
```

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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