

# Converting Colors

RGB(129, 88, 184)

Have a look what the booklet for  
RGB(129, 88, 184) contains.

<b>RGB(129, 88, 184)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**RGB(129, 88, 184)**

# Conversions

Conversions Part 1	
Format	Color
Hex	8158B8
RGB	129, 88, 184
RGB Percent	51%, 35%, 72%
CMY	0.4941, 0.6549, 0.2784
CMYK	0.30, 0.52, 0.00, 0.28
HSL	266°, 40%, 53%
HSV	266°, 52%, 72%
XYZ	21.1947, 15.1073, 47.1463
YIQ	111.2030, -6.3800, 38.5480

# Conversions

## Conversions Part 2

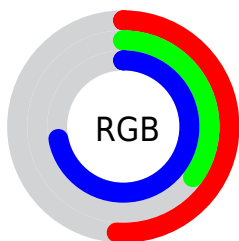
Format	Color
<a href="#">RYB</a>	<a href="#">129, 88, 184</a>
Decimal	<a href="#">8476856</a>
CIELab	<a href="#">45.78, 36.91, -44.79</a>
CIELCh	<a href="#">46, 58.035, 309.489</a>
Yxy	<a href="#">15.1073, 0.2540, 0.1810</a>
Android (android.graphics.Color)	<a href="#">4286666936</a> (0xFF8158B8)
YUV	<a href="#">111.2030, 35.8889, 15.6080</a>
Hunter-Lab	<a href="#">38.8681, 29.3167, -44.7101</a>

# Details

The RGB color **129, 88, 184** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **143, 184, 88**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **184, 139, 241**, and **76, 40, 130** is the 20% darker color. If you saturate the color by 10%, you get **118, 70, 184**, and if you desaturate by 10%, it is **140, 106, 184**.

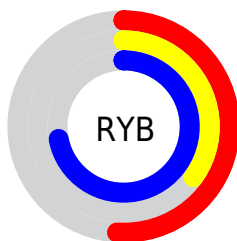
# Distribution



Red (51%)

Green (35%)

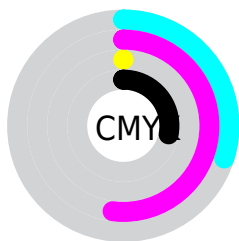
Blue (72%)



Red (51%)

Yellow (35%)

Blue (72%)

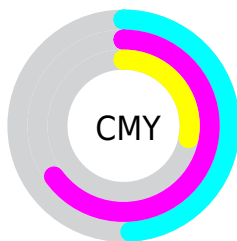


Cyan (30%)

Magenta (52%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (65%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 129, 88, 184 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 129, 88, 184 by changing the saturation by 10% instead.




 129, 88, 184

 129, 88, 184

255, 255, 255

 102, 64, 157

 184, 139, 241

 76, 40, 130

 213, 166, 255

 49, 17, 105

 242, 193, 255

 21, 0, 80

 255, 221, 255

 0, 0, 56

 255, 250, 255


 0, 2, 34


 0, 0, 7


 0, 0, 0


 129, 88, 184

 129, 88, 184


 118, 70, 184


 140, 106, 184


 108, 51, 184

 150, 125, 184

 97, 33, 184

 161, 143, 184

 87, 14, 184

 171, 162, 184

 79, 0, 184

 182, 180, 184

 192, 198, 184

 203, 217, 184

 213, 235, 184

 224, 254, 184

# Harmonies

## Analogous

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



0, 109, 205



129, 88, 184



177, 64, 144

# Triad

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



129, 88, 184



157, 93, 0



0, 130, 123

# Complementary

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



129, 88, 184



143, 184, 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, 128, 72



129, 88, 184



117, 111, 0

# Square

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



129, 88, 184



185, 71, 49



63, 122, 22



0, 129, 169

# Rectangle

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



129, 88, 184



192, 56, 111



63, 122, 22



0, 130, 106



# Sweetspot

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



129, 88, 184



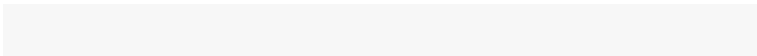
218, 201, 240



88, 144, 184



107, 97, 120



247, 247, 247



120, 120, 120



# Same Dimension

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



129, 88, 184



153, 89, 240



176, 88, 184



87, 83, 92



66, 0, 156



12, 0, 28



# Inverse Universe

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



184, 88, 143



240, 89, 175



96, 184, 88



92, 83, 88



156, 0, 89

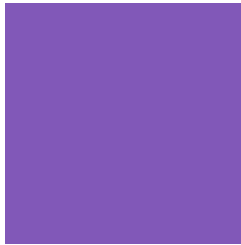


28, 0, 16



# Previews

## White Background



This preview shows how the RGB color 129, 88, 184 looks on a white background.

## Color Contrast Check

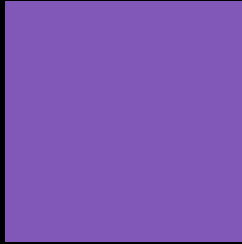
Large Text (above 18pt) WCAG AA ✓ Pass

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 129, 88, 184 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 129, 88, 184 Background



This preview shows how black text looks on a background with the RGB color 129, 88, 184.



This preview shows how white text looks on a background with the RGB color 129, 88, 184.

# 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**


129, 88, 184

**Protanopia**

59, 105, 201

**Deuteranopia**

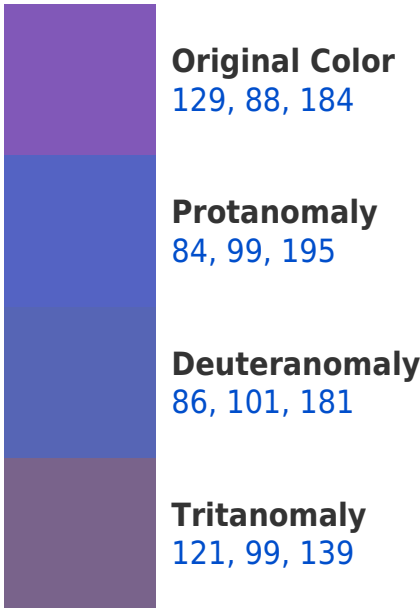
62, 109, 180



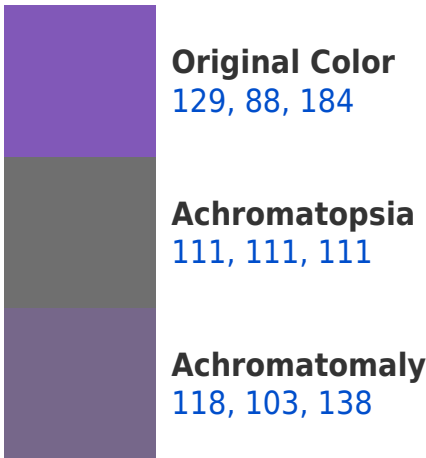
## Tritanopia

116, 105, 114

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 129, 88, 184 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(129, 88, 184) looks like.

```
.text, #text, p{  
    color:rgb(129, 88, 184)  
}
```

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(129, 88, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 88, 184) }
```

## Border

The CSS property to change the border of an element to RGB 129, 88, 184 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(129, 88, 184) }
```

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

```
.border{ border-color:rgb(129, 88, 184) }
```

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

Here you see how a box with a 4 pixel rgb(129, 88, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 88, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 88, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 88,  
184) }
```

# Background

The CSS property to change the background color of an element to RGB 129, 88, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 88, 184) }
```

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

```
.background{ background-color: rgb(129, 88,  
184) }
```

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](#).



Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor