

# Converting Colors

RGB(199, 109, 212)

Have a look what the booklet for  
RGB(199, 109, 212) contains.

<b>RGB(199, 109, 212)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**RGB(199, 109, 212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C76DD4
RGB	199, 109, 212
RGB Percent	78%, 43%, 83%
CMY	0.2196, 0.5725, 0.1686
CMYK	0.06, 0.49, 0.00, 0.17
HSL	292°, 54%, 63%
HSV	292°, 49%, 83%
XYZ	40.9055, 27.8329, 65.5037
YIQ	147.6520, 20.5770, 51.1130

# Conversions

## Conversions Part 2

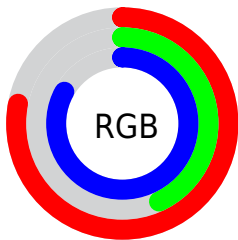
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 109, 212
Decimal	13069780
CIELab	59.74, 51.05, -38.25
CIELCh	60, 63.790, 323.152
Yxy	27.8329, 0.3047, 0.2073
Android (android.graphics.Color)	4291259860 (0xFFC76DD4)
YUV	147.6520, 31.7236, 45.0322
Hunter-Lab	52.7569, 46.0770, -36.6855

# Details

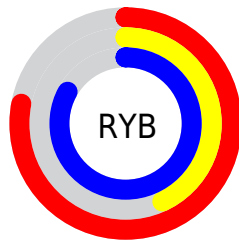
The RGB color **199, 109, 212** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **122, 212, 109**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **255, 163, 255**, and **143, 56, 157** is the 20% darker color. If you saturate the color by 10%, you get **196, 88, 212**, and if you desaturate by 10%, it is **202, 130, 212**.

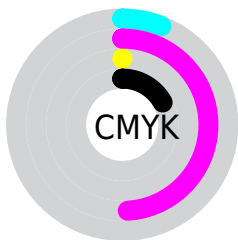
# Distribution



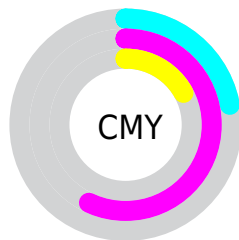
- Red (78%)
- Green (43%)
- Blue (83%)



- Red (78%)
- Yellow (43%)
- Blue (83%)



- Cyan (6%)
- Magenta (49%)
- Yellow (0%)
- Black (17%)



- Cyan (22%)
- Magenta (57%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 199, 109, 212 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 199, 109, 212 by changing the saturation by 10% instead.



 199, 109, 212

255, 255, 255


 255, 163, 255


 255, 191, 255

 255, 220, 255

 255, 249, 255

 199, 109, 212

 171, 83, 184

 143, 56, 157

 116, 28, 130

 89, 0, 105

 63, 0, 80

 41, 0, 57

 0, 0, 34


 0, 0, 8

 0, 0, 0

 199, 109, 212


 199, 109, 212

 196, 88, 212

 202, 130, 212


 194, 67, 212

 204, 151, 212

 191, 45, 212

 207, 173, 212

 188, 24, 212

 210, 194, 212

 186, 3, 212

 212, 215, 212

 185, 0, 212

 215, 236, 212

 218, 255, 212

 220, 255, 212

 223, 255, 212

# Harmonies

## Analogous

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



118, 134, 248



199, 109, 212



238, 89, 159

# Triad

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



199, 109, 212



182, 137, 9



0, 170, 186

# Complementary

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



199, 109, 212



122, 212, 109

# 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, 169, 129



199, 109, 212



130, 154, 23

# Square

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



199, 109, 212



222, 114, 53



51, 164, 72



0, 166, 233

# Rectangle

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



199, 109, 212



245, 88, 122



51, 164, 72



0, 170, 168



# Sweetspot

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



199, 109, 212



250, 217, 255



109, 123, 212



125, 105, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



199, 109, 212



236, 107, 255



212, 109, 174



106, 96, 107



149, 0, 171



38, 0, 43



# Inverse Universe

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



212, 109, 122



255, 107, 126



109, 212, 147



107, 96, 98



171, 0, 22



43, 0, 5



# Previews

## White Background



This preview shows how the RGB color 199, 109, 212 looks on a white background.

## Color Contrast Check

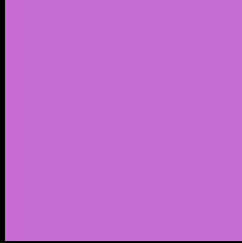
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 199, 109, 212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

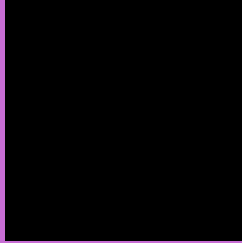
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 199, 109, 212 Background



This preview shows how black text looks on a background with the RGB color 199, 109, 212.

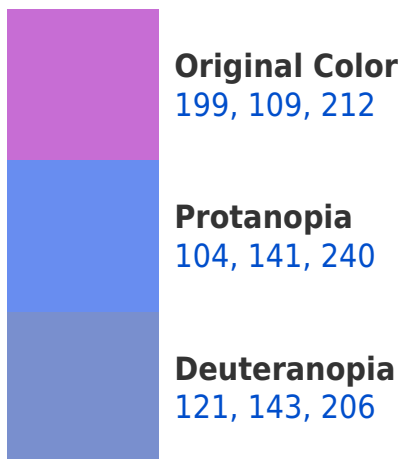


This preview shows how white text looks on a background with the RGB color 199, 109, 212.

# 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**  
189, 127, 137

# Trichromacy



**Original Color**  
199, 109, 212

**Protanomaly**  
139, 129, 230

**Deuteranomaly**  
149, 131, 208

**Tritanomaly**  
193, 120, 164

# Monochromacy



**Original Color**  
199, 109, 212

**Achromatopsia**  
148, 148, 148

**Achromatomaly**  
167, 134, 171

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 199, 109, 212 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(199, 109, 212)` looks like.

```
.text, #text, p{  
    color:rgb(199, 109, 212)  
}
```

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(199, 109, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 109, 212) }
```

## Border

The CSS property to change the border of an element to RGB 199, 109, 212 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(199, 109, 212) }
```

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

```
.border{ border-color:rgb(199, 109, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 109, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 109, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 109, 212);  
box-shadow:4px 4px 4px 4px rgb(199, 109,  
212) }
```

# Background

The CSS property to change the background color of an element to RGB 199, 109, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 109, 212) }
```

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

```
.background{ background-color: rgb(199,  
109, 212) }
```

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