

# Converting Colors

RGB(199, 156, 216)

Have a look what the booklet for  
RGB(199, 156, 216) contains.

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# **Color**

**RGB(199, 156, 216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C79CD8
RGB	199, 156, 216
RGB Percent	78%, 61%, 85%
CMY	0.2196, 0.3882, 0.1529
CMYK	0.08, 0.28, 0.00, 0.15
HSL	283°, 43%, 73%
HSV	283°, 28%, 85%
XYZ	47.8363, 40.8769, 70.3345
YIQ	175.6970, 6.3680, 27.7760

# Conversions

## Conversions Part 2

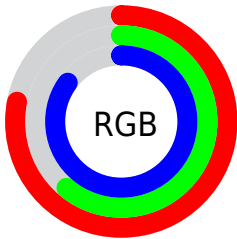
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 156, 216
Decimal	13081816
CIELab	70.09, 26.64, -24.46
CIELCh	70, 36.167, 317.448
Yxy	40.8769, 0.3008, 0.2570
Android (android.graphics.Color)	4291271896 (0xFFC79CD8)
YUV	175.6970, 19.8694, 20.4367
Hunter-Lab	63.9351, 21.6677, -20.4700

# Details

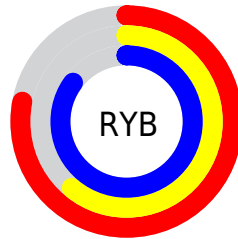
The RGB color **199, 156, 216** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **173, 216, 156**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **255, 211, 255**, and **144, 104, 161** is the 20% darker color. If you saturate the color by 10%, you get **193, 134, 216**, and if you desaturate by 10%, it is **205, 178, 216**.

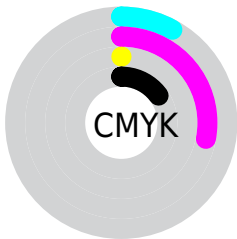
# Distribution



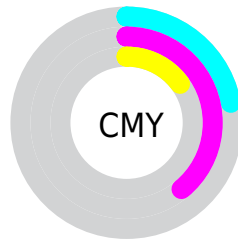
- Red (78%)
- Green (61%)
- Blue (85%)



- Red (78%)
- Yellow (61%)
- Blue (85%)



- Cyan (8%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (22%)
- Magenta (39%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 199, 156, 216 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, 156, 216 by changing the saturation by 10% instead.





 199, 156, 216

255, 255, 255

 255, 211, 255

 255, 239, 255

 199, 156, 216

 171, 130, 188

 144, 104, 161

 118, 80, 135

 93, 56, 109

 68, 34, 85

 45, 11, 61


 28, 0, 40

 0, 1, 17

 0, 0, 0


 199, 156, 216


 199, 156, 216

 193, 134, 216

 205, 178, 216

 187, 113, 216

 211, 199, 216

 181, 91, 216


 217, 221, 216

 175, 70, 216

 223, 242, 216

 168, 48, 216

 230, 255, 216

 162, 26, 216

 236, 255, 216

 156, 5, 216

 242, 255, 216

 155, 0, 216

 248, 255, 216

 254, 255, 216

# Harmonies

## Analogous

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



155, 168, 234



199, 156, 216



227, 147, 187

# Triad

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



199, 156, 216



206, 165, 107



54, 189, 190

# Complementary

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



199, 156, 216



173, 216, 156

# 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.



96, 188, 156



199, 156, 216



174, 175, 108

# Square

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



199, 156, 216



228, 154, 124



137, 184, 126



51, 186, 219

# Rectangle

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



199, 156, 216



235, 146, 164



137, 184, 126



67, 189, 179



# Sweetspot

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



199, 156, 216



249, 235, 255



156, 173, 216



124, 115, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



199, 156, 216



231, 171, 255



216, 156, 203



104, 96, 107



122, 0, 171



31, 0, 43



# Inverse Universe

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



216, 156, 173



255, 171, 195



156, 216, 169



107, 96, 99



171, 0, 48

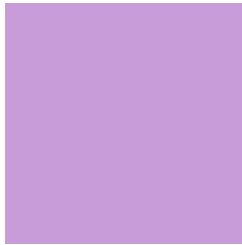


43, 0, 12



# Previews

## White Background



This preview shows how the RGB color 199, 156, 216 looks on a white background.

## Color Contrast Check

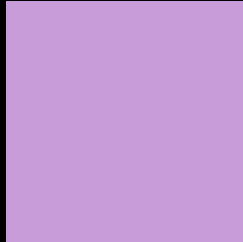
Large Text (above 18pt) WCAG AA × Fail

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, 156, 216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

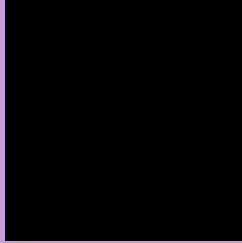
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 199, 156, 216 Background



This preview shows how black text looks on a background with the RGB color 199, 156, 216.

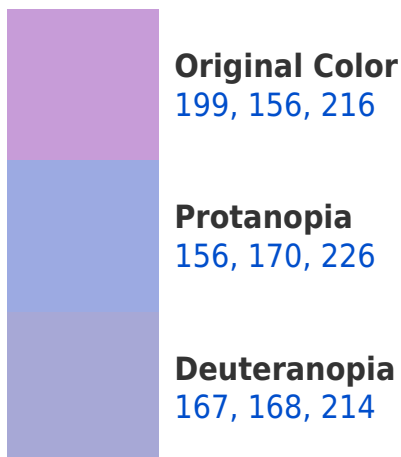



This preview shows how white text looks on a background with the RGB color 199, 156, 216.

# 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

193, 164, 176

# Trichromacy



**Original Color**  
199, 156, 216

**Protanomaly**  
172, 165, 222

**Deuteranomaly**  
179, 164, 215

**Tritanomaly**  
195, 161, 191

# Monochromacy



**Original Color**  
199, 156, 216

**Achromatopsia**  
176, 176, 176

**Achromatomaly**  
184, 169, 191

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 199, 156, 216 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, 156, 216)` looks like.

```
.text, #text, p{  
    color:rgb(199, 156, 216)  
}
```

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, 156, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 156, 216) }
```

## Border

The CSS property to change the border of an element to RGB 199, 156, 216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

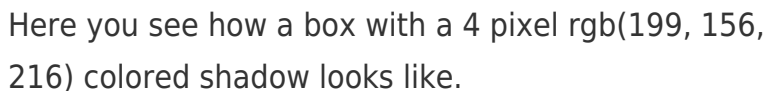
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 156, 216) }
```

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

```
.border{ border-color:rgb(199, 156, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 156, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 156, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 156, 216);  
box-shadow:4px 4px 4px 4px rgb(199, 156,  
216) }
```

# Background

The CSS property to change the background color of an element to RGB 199, 156, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 156, 216) }
```

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

```
.background{ background-color: rgb(199,  
156, 216) }
```

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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