

# Converting Colors

RGB(199, 176, 230)

Have a look what the booklet for  
RGB(199, 176, 230) contains.

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# **Color**

**RGB(199, 176, 230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B0E6
RGB	199, 176, 230
RGB Percent	78%, 69%, 90%
CMY	0.2196, 0.3098, 0.0980
CMYK	0.13, 0.23, 0.00, 0.10
HSL	266°, 52%, 80%
HSV	266°, 23%, 90%
XYZ	53.3614, 48.9060, 81.4903
YIQ	189.0330, -3.6260, 21.6700

# Conversions

## Conversions Part 2

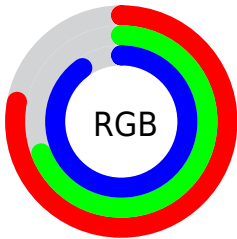
Format	Color
R <sub>Y</sub> B	199, 176, 230
Decimal	13086950
CIE Lab	75.39, 18.54, -24.01
CIE LCh	75, 30.337, 307.678
Yxy	48.9060, 0.2904, 0.2661
Android (android.graphics.Color)	4291277030 (0xFFC7B0E6)
YUV	189.0330, 20.1967, 8.7411
Hunter-Lab	69.9328, 13.8201, -20.1356

# Details

The RGB color **199, 176, 230** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **207, 230, 176**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **255, 232, 255**, and **145, 123, 174** is the 20% darker color. If you saturate the color by 10%, you get **186, 153, 230**, and if you desaturate by 10%, it is **212, 199, 230**.

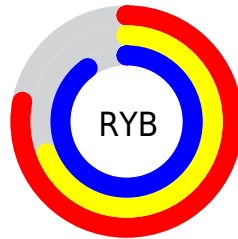
# Distribution



Red (78%)

Green (69%)

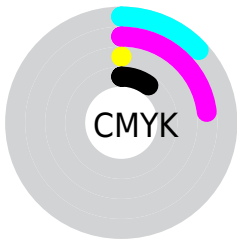
Blue (90%)



Red (78%)

Yellow (69%)

Blue (90%)

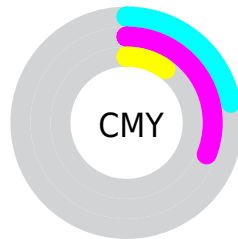


Cyan (13%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (22%)

Magenta (31%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 199, 176, 230 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, 176, 230 by changing the saturation by 10% instead.




 199, 176, 230

255, 255, 255

 255, 232, 255

 199, 176, 230

 171, 149, 202


 145, 123, 174

 119, 98, 148

 93, 74, 122

 69, 52, 97

 46, 30, 73


 24, 8, 50


 0, 2, 29

 0, 0, 0

 199, 176, 230

 199, 176, 230

 186, 153, 230

 212, 199, 230

 173, 130, 230


 225, 222, 230

 159, 107, 230


 239, 245, 230

 146, 84, 230

 252, 255, 230

 133, 61, 230

 255, 255, 230

 120, 38, 230

 107, 15, 230

 98, 0, 230

# Harmonies

## Analogous

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



160, 186, 241



199, 176, 230



227, 168, 208

# Triad

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



199, 176, 230



224, 177, 135



108, 201, 192

# Complementary

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



199, 176, 230



207, 230, 176

# 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.



135, 199, 164



199, 176, 230



198, 186, 130

# Square

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



199, 176, 230



239, 169, 153



168, 194, 141



99, 200, 219

# Rectangle

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



199, 176, 230



238, 165, 189



168, 194, 141



116, 201, 182



# Sweetspot

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



199, 176, 230



245, 237, 255



176, 208, 230



122, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



199, 176, 230



214, 184, 255



226, 176, 230



108, 103, 115



76, 0, 179



22, 0, 51



# Inverse Universe

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



230, 176, 207



255, 184, 225



181, 230, 176



115, 103, 110



179, 0, 102



51, 0, 29



# Previews

## White Background



This preview shows how the RGB color 199, 176, 230 looks on a white background.

## Color Contrast Check

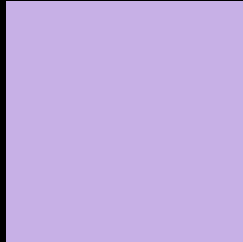
Large Text (above 18pt) WCAG AA × Fail

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, 176, 230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

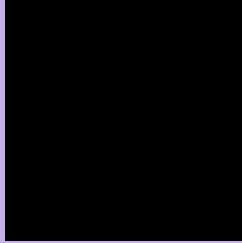
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 199, 176, 230 Background



This preview shows how black text looks on a background with the RGB color 199, 176, 230.

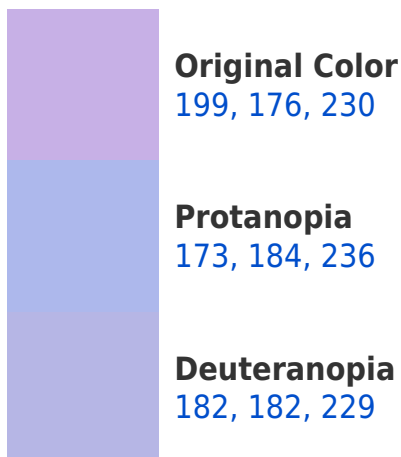



This preview shows how white text looks on a background with the RGB color 199, 176, 230.

# 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, 182, 196

# Trichromacy



**Original Color**  
199, 176, 230

**Protanomaly**  
182, 181, 234

**Deuteranomaly**  
188, 180, 229

**Tritanomaly**  
195, 180, 208

# Monochromacy



**Original Color**  
199, 176, 230

**Achromatopsia**  
189, 189, 189

**Achromatomaly**  
193, 184, 204

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 199, 176, 230 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, 176, 230)` looks like.

```
.text, #text, p{  
    color:rgb(199, 176, 230)  
}
```

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, 176, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 176, 230) }
```

## Border

The CSS property to change the border of an element to RGB 199, 176, 230 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, 176, 230) }
```

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

```
.border{ border-color:rgb(199, 176, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 176, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 176, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 176, 230);  
box-shadow:4px 4px 4px 4px rgb(199, 176,  
230) }
```

# Background

The CSS property to change the background color of an element to RGB 199, 176, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 176, 230) }
```

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

```
.background{ background-color: rgb(199,  
176, 230) }
```

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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