

# Converting Colors

RGB(172, 134, 203)

Have a look what the booklet for  
RGB(172, 134, 203) contains.

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# **Color**

**RGB(172, 134, 203)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC86CB
RGB	172, 134, 203
RGB Percent	67%, 53%, 80%
CMY	0.3255, 0.4745, 0.2039
CMYK	0.15, 0.34, 0.00, 0.20
HSL	273°, 40%, 66%
HSV	273°, 34%, 80%
XYZ	36.3178, 30.1326, 60.4019
YIQ	153.2280, 0.4990, 29.5150

# Conversions

## Conversions Part 2

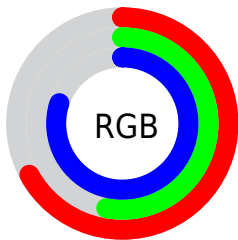
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 134, 203
Decimal	11306699
CIELab	61.77, 27.62, -30.25
CIElCh	62, 40.960, 312.394
Yxy	30.1326, 0.2863, 0.2375
Android (android.graphics.Color)	4289496779 (0xFFAC86CB)
YUV	153.2280, 24.5376, 16.4630
Hunter-Lab	54.8932, 22.0341, -26.8147

# Details

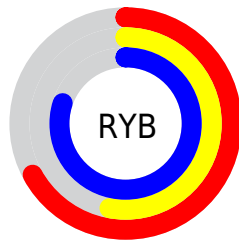
The RGB color **172, 134, 203** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **165, 203, 134**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **228, 188, 255**, and **119, 84, 149** is the 20% darker color. If you saturate the color by 10%, you get **163, 114, 203**, and if you desaturate by 10%, it is **181, 154, 203**.

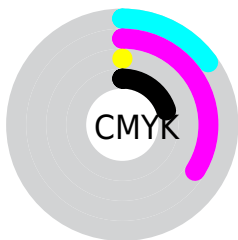
# Distribution



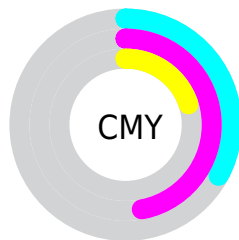
- Red (67%)
- Green (53%)
- Blue (80%)



- Red (67%)
- Yellow (53%)
- Blue (80%)



- Cyan (15%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)




- Cyan (33%)
- Magenta (47%)
- Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 172, 134, 203 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 172, 134, 203 by changing the saturation by 10% instead.



 172, 134, 203

255, 255, 255

 228, 188, 255

 255, 215, 255

 255, 244, 255


 172, 134, 203

 145, 108, 175

 119, 84, 149

 93, 60, 123

 68, 37, 97

 44, 15, 73

 25, 0, 51


 0, 2, 29

 0, 0, 0


 172, 134, 203


 172, 134, 203

 163, 114, 203

 181, 154, 203

 154, 93, 203


 190, 175, 203

 145, 73, 203

 199, 195, 203

 136, 53, 203

 208, 215, 203

 126, 33, 203

 218, 236, 203

 117, 12, 203

 227, 255, 203

 112, 0, 203

 236, 255, 203

 245, 255, 203

 254, 255, 203

# Harmonies

## Analogous

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



118, 148, 220



172, 134, 203



206, 123, 172

# Triad

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



172, 134, 203



190, 140, 80



0, 168, 164

# Complementary

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



172, 134, 203



165, 203, 134

# 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.



66, 167, 126



172, 134, 203



157, 152, 76

# Square

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



172, 134, 203



212, 127, 102



117, 161, 94



0, 166, 197

# Rectangle

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



172, 134, 203



217, 120, 148



117, 161, 94



0, 168, 151



# Sweetspot

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



172, 134, 203



244, 230, 255



134, 165, 203



121, 112, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



172, 134, 203



208, 150, 255



203, 134, 200



97, 92, 102



91, 0, 166



21, 0, 38



# Inverse Universe

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



203, 134, 165



255, 150, 197



134, 203, 137



102, 92, 96



166, 0, 74

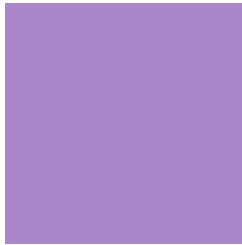


38, 0, 17



# Previews

## White Background



This preview shows how the RGB color 172, 134, 203 looks on a white background.

## Color Contrast Check

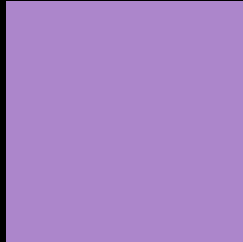
Large Text (above 18pt) WCAG AA × Fail

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 172, 134, 203 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 172, 134, 203 Background



This preview shows how black text looks on a background with the RGB color 172, 134, 203.

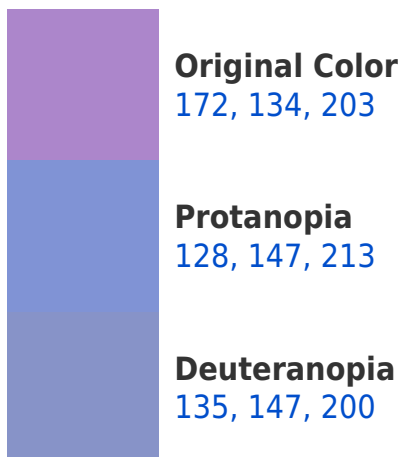


This preview shows how white text looks on a background with the RGB color 172, 134, 203.

# 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

164, 144, 155

# Trichromacy



**Original Color**  
172, 134, 203

**Protanomaly**  
144, 142, 209

**Deuteranomaly**  
148, 142, 201

**Tritanomaly**  
167, 140, 172

# Monochromacy



**Original Color**  
172, 134, 203

**Achromatopsia**  
153, 153, 153

**Achromatomaly**  
160, 146, 171

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 172, 134, 203 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(172, 134, 203)` looks like.

```
.text, #text, p{  
    color:rgb(172, 134, 203)  
}
```

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(172, 134, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 134, 203) }
```

## Border

The CSS property to change the border of an element to RGB 172, 134, 203 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(172, 134, 203) }
```

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

```
.border{ border-color:rgb(172, 134, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 134, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 134, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 134, 203);  
box-shadow:4px 4px 4px 4px rgb(172, 134,  
203) }
```

# Background

The CSS property to change the background color of an element to RGB 172, 134, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 134, 203) }
```

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

```
.background{ background-color: rgb(172,  
134, 203) }
```

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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