

# Converting Colors

RGB(204, 153, 221)

Have a look what the booklet for  
RGB(204, 153, 221) contains.

<b>RGB(204, 153, 221)</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(204, 153, 221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC99DD
RGB	204, 153, 221
RGB Percent	80%, 60%, 87%
CMY	0.2000, 0.4000, 0.1333
CMYK	0.08, 0.31, 0.00, 0.13
HSL	285°, 50%, 73%
HSV	285°, 31%, 87%
XYZ	49.3442, 40.8403, 73.6889
YIQ	176.0010, 8.5680, 31.9600

# Conversions

## Conversions Part 2

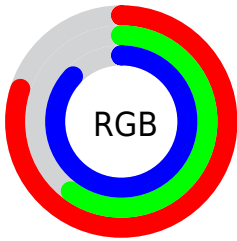
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 153, 221
Decimal	13408733
CIE Lab	70.06, 30.89, -27.21
CIE LCh	70, 41.164, 318.626
Yxy	40.8403, 0.3011, 0.2492
Android (android.graphics.Color)	4291598813 (0xFFCC99DD)
YUV	176.0010, 22.1845, 24.5551
Hunter-Lab	63.9064, 25.9894, -23.6313

# Details

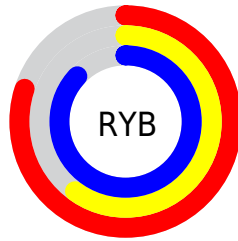
The RGB color **204, 153, 221** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 221, 153**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **255, 208, 255**, and **149, 101, 166** is the 20% darker color. If you saturate the color by 10%, you get **198, 131, 221**, and if you desaturate by 10%, it is **210, 175, 221**.

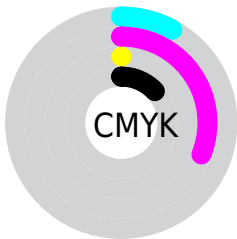
# Distribution



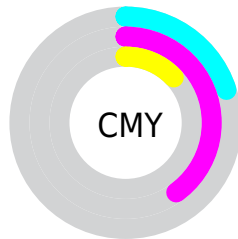
- Red (80%)
- Green (60%)
- Blue (87%)



- Red (80%)
- Yellow (60%)
- Blue (87%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (40%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 204, 153, 221 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 204, 153, 221 by changing the saturation by 10% instead.



 204, 153, 221

 204, 153, 221

255, 255, 255

 176, 127, 193

 255, 208, 255

 149, 101, 166

 255, 236, 255

 122, 77, 139

 97, 53, 114


 72, 30, 89


 48, 6, 65


 30, 0, 43


 0, 1, 21

 0, 0, 0

 204, 153, 221

 204, 153, 221


 198, 131, 221

 210, 175, 221

 193, 109, 221


 215, 197, 221

 187, 87, 221


 221, 219, 221

 182, 65, 221

 226, 241, 221

 176, 43, 221

 232, 255, 221

 171, 20, 221

 237, 255, 221

 166, 0, 221

 243, 255, 221

 248, 255, 221

 254, 255, 221

# Harmonies

## Analogous

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



154, 167, 242



204, 153, 221



235, 143, 187

# Triad

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



204, 153, 221



208, 164, 98



0, 191, 194

# Complementary

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



204, 153, 221



170, 221, 153

# 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.



78, 190, 155



204, 153, 221



172, 176, 99

# Square

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



204, 153, 221



233, 151, 117



129, 185, 120



0, 187, 226

# Rectangle

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



204, 153, 221



243, 141, 162



129, 185, 120



24, 191, 181



# Sweetspot

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



204, 153, 221



249, 232, 255



153, 170, 221



124, 113, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



204, 153, 221



231, 161, 255



221, 153, 204



107, 99, 110



130, 0, 173



34, 0, 46



# Inverse Universe

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



221, 153, 170



255, 161, 184



153, 221, 170



110, 99, 101



173, 0, 43

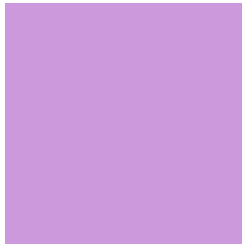


46, 0, 11



# Previews

## White Background



This preview shows how the RGB color 204, 153, 221 looks on a white background.

## Color Contrast Check

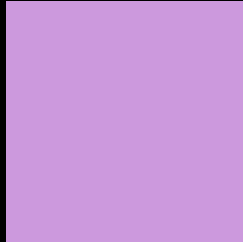
Large Text (above 18pt) WCAG AA × Fail

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 204, 153, 221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

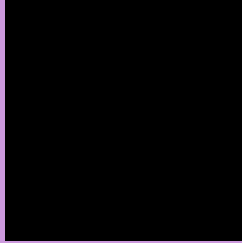
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 204, 153, 221 Background



This preview shows how black text looks on a background with the RGB color 204, 153, 221.

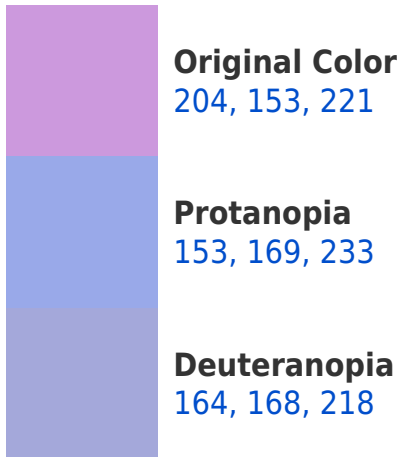


This preview shows how white text looks on a background with the RGB color 204, 153, 221.

# 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**  
197, 162, 175

# Trichromacy



**Original Color**  
204, 153, 221

**Protanomaly**  
172, 163, 229

**Deuteranomaly**  
179, 163, 219

**Tritanomaly**  
200, 159, 192

# Monochromacy



**Original Color**  
204, 153, 221

**Achromatopsia**  
176, 176, 176

**Achromatomaly**  
186, 168, 192

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 204, 153, 221 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(204, 153, 221)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 221)  
}
```

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(204, 153, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 221) }
```

## Border

The CSS property to change the border of an element to RGB 204, 153, 221 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(204, 153, 221) }
```

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

```
.border{ border-color:rgb(204, 153, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 221);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
221) }
```

# Background

The CSS property to change the background color of an element to RGB 204, 153, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 221) }
```

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

```
.background{ background-color: rgb(204,  
153, 221) }
```

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