

# Converting Colors

RGB(200, 123, 204)

Have a look what the booklet for  
RGB(200, 123, 204) contains.

<b>RGB(200, 123, 204)</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(200, 123, 204)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C87BCC
RGB	200, 123, 204
RGB Percent	78%, 48%, 80%
CMY	0.2157, 0.5176, 0.2000
CMYK	0.02, 0.40, 0.00, 0.20
HSL	297°, 44%, 64%
HSV	297°, 40%, 80%
XYZ	41.8015, 30.8049, 60.8695
YIQ	155.2570, 19.8910, 41.5150

# Conversions

## Conversions Part 2

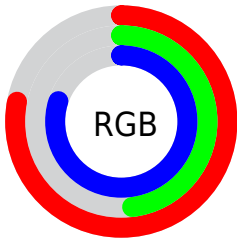
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">200, 123, 204</a>
Decimal	<a href="#">13138892</a>
CIELab	<a href="#">62.34, 42.55, -29.68</a>
CIElCh	<a href="#">62, 51.883, 325.102</a>
Yxy	<a href="#">30.8049, 0.3132, 0.2308</a>
Android (android.graphics.Color)	<a href="#">4291328972 (0xFFC87BCC)</a>
YUV	<a href="#">155.2570, 24.0303, 39.2396</a>
Hunter-Lab	<a href="#">55.5022, 37.3085, -26.1721</a>

# Details

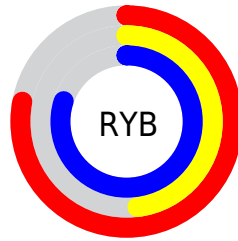
The RGB color **200, 123, 204** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **127, 204, 123**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **255, 177, 255**, and **144, 71, 150** is the 20% darker color. If you saturate the color by 10%, you get **199, 103, 204**, and if you desaturate by 10%, it is **201, 143, 204**.

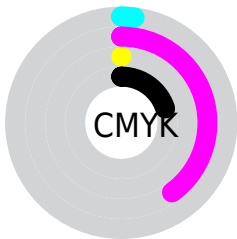
# Distribution



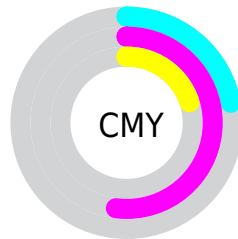
- Red (78%)
- Green (48%)
- Blue (80%)



- Red (78%)
- Yellow (48%)
- Blue (80%)



- Cyan (2%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)



- Cyan (22%)
- Magenta (52%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 200, 123, 204 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 200, 123, 204 by changing the saturation by 10% instead.




 200, 123, 204

255, 255, 255

 255, 177, 255

 255, 205, 255

 255, 234, 255

 200, 123, 204

 172, 97, 176

 144, 71, 150

 118, 46, 123

 92, 19, 98


 66, 0, 74

 44, 0, 51

 6, 0, 29

 0, 0, 0

 200, 123, 204

 200, 123, 204

199, 103, 204

201, 143, 204

198, 82, 204

202, 164, 204

197, 62, 204

203, 184, 204

196, 41, 204

204, 205, 204

195, 21, 204

205, 225, 204

194, 1, 204

206, 245, 204

194, 0, 204

207, 255, 204

208, 255, 204

209, 255, 204

# Harmonies

## Analogous

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



140, 142, 234



200, 123, 204



231, 111, 160

# Triad

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



200, 123, 204



183, 146, 54



0, 173, 188

# Complementary

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



200, 123, 204



127, 204, 123

# 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, 173, 141



200, 123, 204



138, 160, 62

# Square

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



200, 123, 204



217, 128, 76



80, 169, 96



0, 169, 225

# Rectangle

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



200, 123, 204



236, 111, 129



80, 169, 96



0, 174, 173



# Sweetspot

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



200, 123, 204



253, 224, 255



123, 127, 204



127, 110, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



200, 123, 204



249, 133, 255



204, 123, 168



101, 92, 102



158, 0, 166



36, 0, 38



# Inverse Universe

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



204, 123, 127



255, 133, 139



123, 204, 159



102, 92, 92



166, 0, 8



38, 0, 2



# Previews

## White Background



This preview shows how the RGB color 200, 123, 204 looks on a white background.

## Color Contrast Check

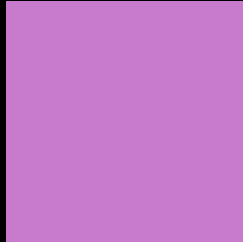
Large Text (above 18pt) WCAG AA × Fail

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 200, 123, 204 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 200, 123, 204 Background



This preview shows how black text looks on a background with the RGB color 200, 123, 204.

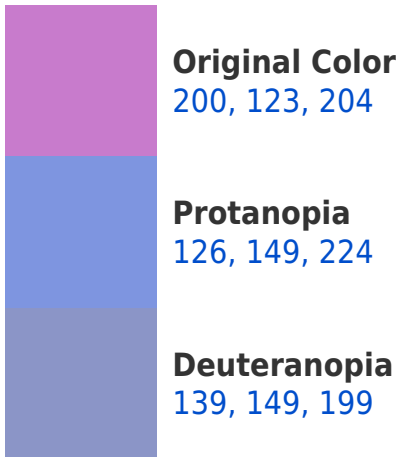


This preview shows how white text looks on a background with the RGB color 200, 123, 204.

# 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

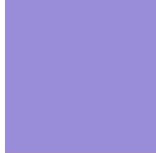
192, 135, 146

# Trichromacy



**Original Color**

200, 123, 204



**Protanomaly**

153, 140, 217



**Deuteranomaly**

161, 140, 201



**Tritanomaly**

195, 131, 167

# Monochromacy



**Original Color**

200, 123, 204



**Achromatopsia**

155, 155, 155



**Achromatomaly**

171, 143, 173

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 200, 123, 204 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(200, 123, 204)` looks like.

```
.text, #text, p{  
    color:rgb(200, 123, 204)  
}
```

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(200, 123, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 123, 204) }
```

## Border

The CSS property to change the border of an element to RGB 200, 123, 204 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(200, 123, 204) }
```

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

```
.border{ border-color:rgb(200, 123, 204) }
```

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

Here you see how a box with a 4 pixel rgb(200, 123, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 123, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 123, 204);  
box-shadow:4px 4px 4px 4px rgb(200, 123,  
204) }
```

# Background

The CSS property to change the background color of an element to RGB 200, 123, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 123, 204) }
```

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

```
.background{ background-color: rgb(200,  
123, 204) }
```

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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