

# Converting Colors

RGB(204, 67, 139)

Have a look what the booklet for  
RGB(204, 67, 139) contains.

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# Color

**RGB(204, 67, 139)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC438B
RGB	204, 67, 139
RGB Percent	80%, 26%, 55%
CMY	0.2000, 0.7373, 0.4549
CMYK	0.00, 0.67, 0.32, 0.20
HSL	328°, 57%, 53%
HSV	328°, 67%, 80%
XYZ	31.5692, 18.7158, 26.3747
YIQ	116.1710, 58.5400, 51.4360

# Conversions

## Conversions Part 2

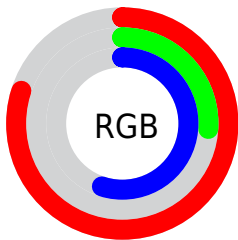
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 67, 139
Decimal	13386635
CIE <sub>Lab</sub>	50.35, 60.26, -10.27
CIE <sub>LCh</sub>	50, 61.132, 350.327
Yxy	18.7158, 0.4118, 0.2441
Android (android.graphics.Color)	4291576715 (0xFFCC438B)
YUV	116.1710, 11.2547, 77.0260
Hunter-Lab	43.2617, 54.5481, -5.8632

# Details

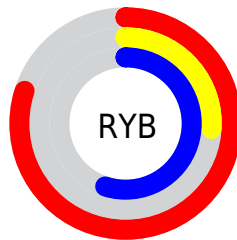
The RGB color **204, 67, 139** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **67, 204, 132**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **255, 124, 192**, and **146, 0, 89** is the 20% darker color. If you saturate the color by 10%, you get **204, 47, 129**, and if you desaturate by 10%, it is **204, 87, 149**.

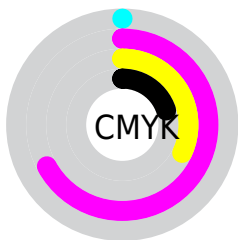
# Distribution



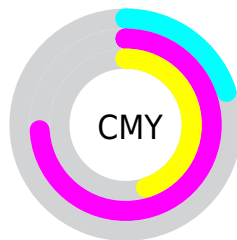
- Red (80%)
- Green (26%)
- Blue (55%)



- Red (80%)
- Yellow (26%)
- Blue (55%)



- Cyan (0%)
- Magenta (67%)
- Yellow (32%)
- Black (20%)



- Cyan (20%)
- Magenta (74%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 204, 67, 139 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, 67, 139 by changing the saturation by 10% instead.



 204, 67, 139

255, 255, 255

 255, 124, 192

 255, 152, 220

 255, 180, 249

 255, 209, 255

 255, 239, 255

 204, 67, 139

 175, 35, 114

 146, 0, 89

 117, 0, 66

 89, 0, 44

 64, 0, 24

 32, 0, 1

 0, 0, 0

 204, 67, 139

 204, 47, 129

 204, 67, 139

 204, 87, 149


 204, 26, 120


 204, 108, 158

 204, 6, 110

 204, 128, 168

 204, 0, 107

 204, 149, 178

 204, 169, 187

 204, 189, 197

 204, 210, 207

 204, 230, 216

 204, 251, 226

# Harmonies

## Analogous

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



165, 89, 187



204, 67, 139



211, 68, 87

# Triad

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



204, 67, 139



110, 128, 0



0, 140, 199

# Complementary

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



204, 67, 139



67, 204, 132

# 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, 144, 155



204, 67, 139



38, 138, 48

# Square

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



204, 67, 139



158, 111, 0



0, 143, 101



0, 131, 223

# Rectangle

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



204, 67, 139



202, 81, 55



0, 143, 101



0, 142, 186



# Sweetspot

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



204, 67, 139



255, 204, 231



131, 67, 204



128, 97, 113



0, 0, 0



128, 128, 128



# Same Dimension

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



204, 67, 139



255, 48, 157



204, 67, 72



102, 92, 97



166, 0, 87



38, 0, 20



# Inverse Universe

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



204, 67, 139



255, 48, 157



67, 204, 199



102, 92, 97



166, 0, 87



38, 0, 20



# Previews

## White Background



This preview shows how the RGB color 204, 67, 139 looks on a white background.

## Color Contrast Check

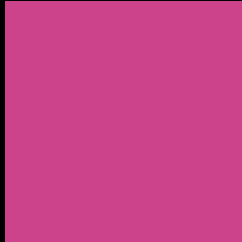
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67, 139 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 × Fail

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



## RGB 204, 67, 139 Background



This preview shows how black text looks on a background with the RGB color 204, 67, 139.

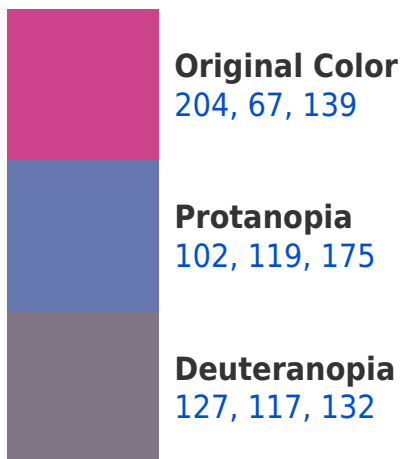


This preview shows how white text looks on a background with the RGB color 204, 67, 139.

# 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**  
200, 80, 85

# Trichromacy



**Original Color**  
204, 67, 139

**Protanomaly**  
139, 100, 162

**Deuteranomaly**  
155, 99, 135

**Tritanomaly**  
201, 75, 105

# Monochromacy



**Original Color**  
204, 67, 139

**Achromatopsia**  
116, 116, 116

**Achromatomaly**  
148, 98, 124

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 204, 67, 139 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, 67, 139)` looks like.

```
.text, #text, p{  
    color:rgb(204, 67, 139)  
}
```

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, 67, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 67, 139) }
```

## Border

The CSS property to change the border of an element to RGB 204, 67, 139 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, 67, 139) }
```

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

```
.border{ border-color:rgb(204, 67, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 67, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 67, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 67, 139);  
box-shadow:4px 4px 4px 4px rgb(204, 67,  
139) }
```

# Background

The CSS property to change the background color of an element to RGB 204, 67, 139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 67, 139) }
```

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

```
.background{ background-color: rgb(204, 67,  
139) }
```

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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