

# Converting Colors

RGB(187, 76, 212)

Have a look what the booklet for  
RGB(187, 76, 212) contains.

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# Color

**RGB(187, 76, 212)**

# Conversions

Conversions Part 1	
Format	Color
Hex	BB4CD4
RGB	187, 76, 212
RGB Percent	73%, 30%, 83%
CMY	0.2667, 0.7020, 0.1686
CMYK	0.12, 0.64, 0.00, 0.17
HSL	289°, 61%, 56%
HSV	289°, 64%, 83%
XYZ	34.9616, 20.4871, 64.3991
YIQ	124.6930, 22.5000, 65.8280

# Conversions

## Conversions Part 2

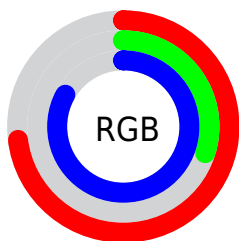
Format	Color
<a href="#">RYB</a>	<a href="#">187, 76, 212</a>
Decimal	<a href="#">12274900</a>
CIELab	<a href="#">52.38, 63.49, -49.98</a>
CIELCh	<a href="#">52, 80.805, 321.792</a>
Yxy	<a href="#">20.4871, 0.2917, 0.1709</a>
Android (android.graphics.Color)	<a href="#">4290464980</a> (0xFFBB4CD4)
YUV	<a href="#">124.6930, 43.0424, 54.6432</a>
Hunter-Lab	<a href="#">45.2627, 58.6664, -52.6730</a>

# Details

The RGB color **187, 76, 212** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **101, 212, 76**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **246, 132, 255**, and **130, 4, 157** is the 20% darker color. If you saturate the color by 10%, you get **183, 55, 212**, and if you desaturate by 10%, it is **191, 97, 212**.

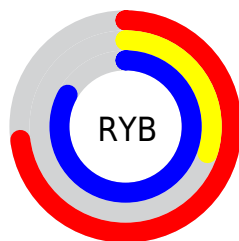
# Distribution



Red (73%)

Green (30%)

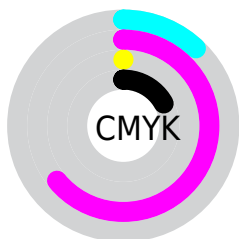
Blue (83%)



Red (73%)

Yellow (30%)

Blue (83%)

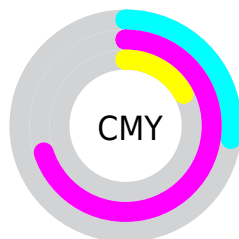


Cyan (12%)

Magenta (64%)

Yellow (0%)

Black (17%)



Cyan (27%)

Magenta (70%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 187, 76, 212 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 187, 76, 212 by changing the saturation by 10% instead.





187, 76, 212



187, 76, 212

255, 255, 255



158, 47, 184



246, 132, 255



130, 4, 157



255, 160, 255



102, 0, 130



255, 188, 255



75, 0, 104



255, 217, 255



49, 0, 79



255, 247, 255



18, 0, 56



0, 2, 33




0, 0, 6





0, 0, 0

 187, 76, 212


 187, 76, 212

 183, 55, 212

 191, 97, 212

 179, 34, 212

 195, 118, 212

 175, 12, 212

 199, 140, 212

 173, 0, 212

 203, 161, 212

 206, 182, 212

 210, 203, 212

 214, 224, 212

 218, 246, 212

 222, 255, 212

# Harmonies

## Analogous

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



58, 115, 255



187, 76, 212



235, 24, 147

# Triad

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



187, 76, 212



168, 115, 0



0, 154, 175

# Complementary

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



187, 76, 212



101, 212, 76

# 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, 153, 103



187, 76, 212



103, 136, 0

# Square

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



187, 76, 212



216, 82, 0



0, 148, 23



0, 151, 234

# Rectangle

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



187, 76, 212



244, 16, 101



0, 148, 23



0, 154, 152



# Sweetspot

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



187, 76, 212



246, 207, 255



76, 103, 212



122, 98, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



187, 76, 212



219, 59, 255



212, 76, 171



105, 96, 107



139, 0, 171



35, 0, 43



# Inverse Universe

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



212, 76, 101



255, 59, 95



76, 212, 117



107, 96, 98



171, 0, 31



43, 0, 8



# Previews

## White Background



This preview shows how the RGB color 187, 76, 212 looks on a white background.

## Color Contrast Check

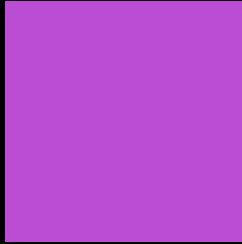
Large Text (above 18pt) WCAG AA ✓ Pass

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 187, 76, 212 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 187, 76, 212 Background



This preview shows how black text looks on a background with the RGB color 187, 76, 212.



This preview shows how white text looks on a background with the RGB color 187, 76, 212.

# 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



**Original Color**


187, 76, 212

**Protanopia**

23, 121, 255

**Deuteranopia**

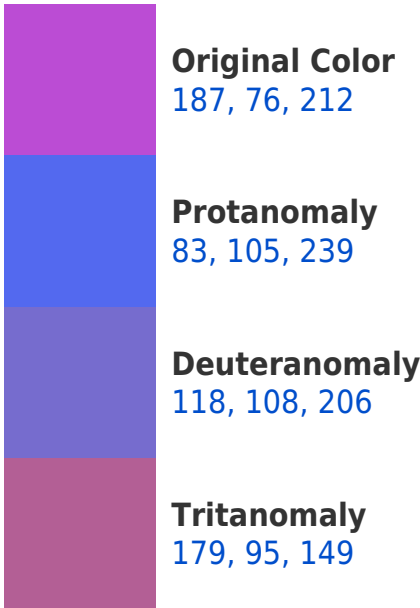
78, 126, 203



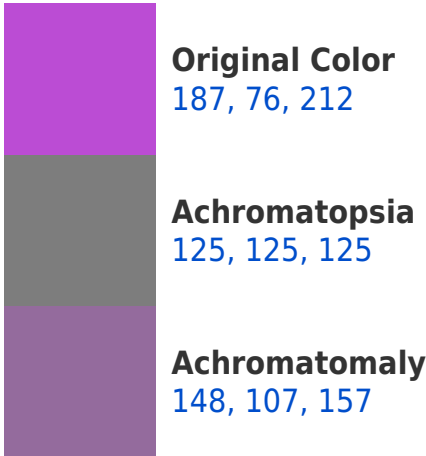
## Tritanopia

174, 106, 113

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 187, 76, 212 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(187, 76, 212)` looks like.

```
.text, #text, p{  
    color:rgb(187, 76, 212)  
}
```

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(187, 76, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 76, 212) }
```

## Border

The CSS property to change the border of an element to RGB 187, 76, 212 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(187, 76, 212) }
```

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

```
.border{ border-color:rgb(187, 76, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 76, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 76, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 76, 212);  
box-shadow:4px 4px 4px 4px rgb(187, 76,  
212) }
```

# Background

The CSS property to change the background color of an element to RGB 187, 76, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 76, 212) }
```

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

```
.background{ background-color: rgb(187, 76,  
212) }
```

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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