

# Converting Colors

RGB(187, 34, 198)

Have a look what the booklet for  
RGB(187, 34, 198) contains.

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# Color

**RGB(187, 34, 198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB22C6
RGB	187, 34, 198
RGB Percent	73%, 13%, 78%
CMY	0.2667, 0.8667, 0.2235
CMYK	0.06, 0.83, 0.00, 0.22
HSL	296°, 71%, 45%
HSV	296°, 83%, 78%
XYZ	31.2586, 15.7861, 54.8256
YIQ	98.4430, 38.5440, 83.4400

# Conversions

## Conversions Part 2

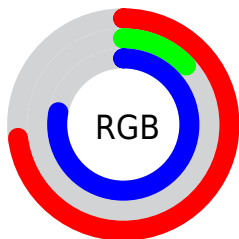
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 34, 198
Decimal	12264134
CIE Lab	46.69, 74.90, -51.02
CIE LCh	47, 90.628, 325.738
Yxy	15.7861, 0.3068, 0.1550
Android (android.graphics.Color)	4290454214 (0xFFBB22C6)
YUV	98.4430, 49.0816, 77.6645
Hunter-Lab	39.7317, 70.9030, -54.0018

# Details

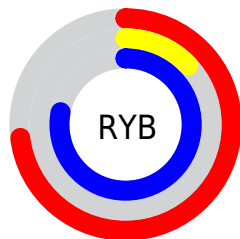
The RGB color **187, 34, 198** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **45, 198, 34**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **247, 101, 255**, and **129, 0, 143** is the 20% darker color. If you saturate the color by 10%, you get **186, 14, 198**, and if you desaturate by 10%, it is **188, 54, 198**.

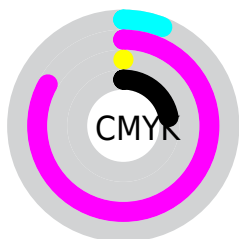
# Distribution



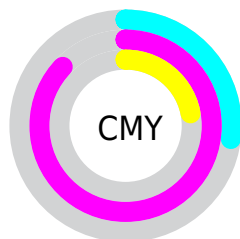
- Red (73%)
- Green (13%)
- Blue (78%)



- Red (73%)
- Yellow (13%)
- Blue (78%)



- Cyan (6%)
- Magenta (83%)
- Yellow (0%)
- Black (22%)



- Cyan (27%)
- Magenta (87%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 187, 34, 198 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, 34, 198 by changing the saturation by 10% instead.




 187, 34, 198

 187, 34, 198


255, 255, 255

 158, 0, 170

 247, 101, 255

 129, 0, 143

 255, 130, 255

 101, 0, 117

 255, 159, 255

 73, 0, 92

 255, 188, 255

 46, 0, 67

 255, 218, 255

 7, 0, 44

 255, 248, 255

 0, 1, 22

 0, 0, 0

 187, 34, 198

 187, 34, 198

■ 186, 14, 198

■ 188, 54, 198

■ 185, 0, 198

■ 190, 74, 198

■ 191, 93, 198

■ 192, 113, 198

■ 194, 133, 198

■ 195, 153, 198

■ 196, 173, 198

■ 198, 192, 198

■ 199, 212, 198

# Harmonies

## Analogous

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



44, 96, 251



187, 34, 198



232, 0, 125

# Triad

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



187, 34, 198



144, 104, 0



0, 141, 176

# Complementary

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



187, 34, 198



45, 198, 34

# 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, 139, 97



187, 34, 198



70, 125, 0

# Square

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



187, 34, 198



199, 64, 0



0, 135, 0



0, 138, 238

# Rectangle

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



187, 34, 198



237, 0, 75



0, 135, 0



0, 140, 150



# Sweetspot

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



187, 34, 198



251, 191, 255



34, 48, 198



125, 89, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



187, 34, 198



238, 3, 255



198, 34, 130



99, 90, 99



152, 0, 163



33, 0, 36



# Inverse Universe

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



198, 34, 45



255, 3, 19



34, 198, 102



99, 90, 90



163, 0, 11



36, 0, 2



# Previews

## White Background



This preview shows how the RGB color 187, 34, 198 looks on a white background.

## Color Contrast Check

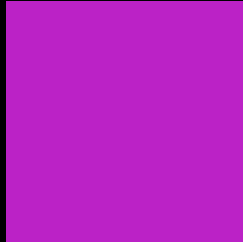
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 187, 34, 198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

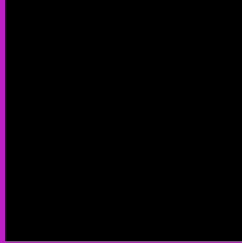
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 187, 34, 198 Background



This preview shows how black text looks on a background with the RGB color 187, 34, 198.

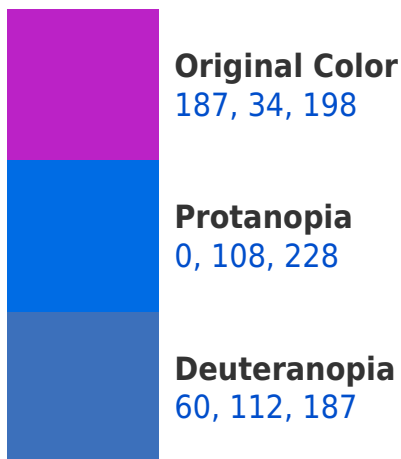


This preview shows how white text looks on a background with the RGB color 187, 34, 198.

# 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**  
174, 82, 88

# Trichromacy



**Original Color**

187, 34, 198



**Protanomaly**

68, 81, 217



**Deuteranomaly**

106, 84, 191



**Tritanomaly**

179, 65, 128

# Monochromacy



**Original Color**

187, 34, 198



**Achromatopsia**

98, 98, 98



**Achromatomaly**

130, 75, 134

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 187, 34, 198 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, 34, 198)` looks like.

```
.text, #text, p{  
    color:rgb(187, 34, 198)  
}
```

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, 34, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 34, 198) }
```

## Border

The CSS property to change the border of an element to RGB 187, 34, 198 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, 34, 198) }
```

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

```
.border{ border-color:rgb(187, 34, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 34, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 34, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 34, 198);  
box-shadow:4px 4px 4px 4px rgb(187, 34,  
198) }
```

# Background

The CSS property to change the background color of an element to RGB 187, 34, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 34, 198) }
```

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

```
.background{ background-color: rgb(187, 34,  
198) }
```

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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