

# Converting Colors

RGB(187, 87, 167)

Have a look what the booklet for  
RGB(187, 87, 167) contains.

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**Color**

**RGB(187, 87, 167)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB57A7
RGB	187, 87, 167
RGB Percent	73%, 34%, 65%
CMY	0.2667, 0.6588, 0.3451
CMYK	0.00, 0.53, 0.11, 0.27
HSL	312°, 42%, 54%
HSV	312°, 53%, 73%
XYZ	30.8768, 20.1712, 38.8253
YIQ	126.0200, 33.9200, 46.0800

# Conversions

## Conversions Part 2

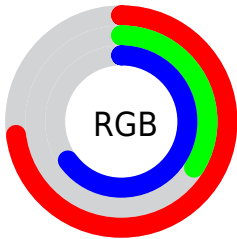
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 87, 167
Decimal	12277671
CIE <sub>Lab</sub>	52.03, 50.48, -24.53
CIE <sub>LCh</sub>	52, 56.127, 334.085
Yxy	20.1712, 0.3436, 0.2244
Android (android.graphics.Color)	4290467751 (0xFFBB57A7)
YUV	126.0200, 20.2031, 53.4795
Hunter-Lab	44.9124, 44.1202, -19.8156

# Details

The RGB color **187, 87, 167** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **87, 187, 107**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **245, 141, 222**, and **131, 32, 115** is the 20% darker color. If you saturate the color by 10%, you get **187, 68, 163**, and if you desaturate by 10%, it is **187, 106, 171**.

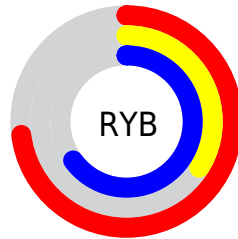
# Distribution



Red (73%)

Green (34%)

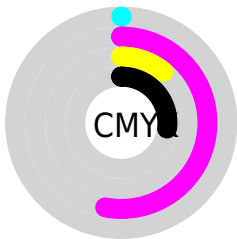
Blue (65%)



Red (73%)

Yellow (34%)

Blue (65%)

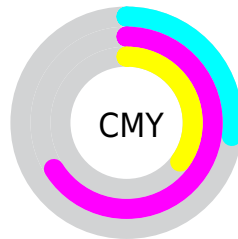


Cyan (0%)

Magenta (53%)

Yellow (11%)

Black (27%)



Cyan (27%)

Magenta (66%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 187, 87, 167 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, 87, 167 by changing the saturation by 10% instead.




 187, 87, 167  187, 87, 167

255, 255, 255  159, 60, 140

 245, 141, 222  131, 32, 115

 255, 168, 251  104, 0, 90

 255, 196, 255  78, 0, 66

 255, 225, 255  54, 0, 44

255, 254, 255  24, 0, 22

 0, 0, 0

 187, 87, 167  187, 87, 167

 187, 68, 163  187, 106, 171

 187, 50, 160

 187, 124, 174

 187, 31, 156

 187, 143, 178

 187, 12, 152

 187, 162, 182

 187, 0, 150

 187, 181, 186

 187, 199, 189

 187, 218, 193

 187, 237, 197

 187, 255, 201

# Harmonies

## Analogous

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



133, 108, 204



187, 87, 167



209, 76, 119

# Triad

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



187, 87, 167



142, 124, 7



0, 146, 177

# Complementary

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



187, 87, 167



87, 187, 107

# 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, 147, 129



187, 87, 167



92, 137, 36

# Square

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



187, 87, 167



181, 106, 33



0, 144, 80



0, 140, 210

# Rectangle

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



187, 87, 167



209, 81, 88



0, 144, 80



0, 146, 162



# Sweetspot

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



187, 87, 167



242, 203, 234



107, 87, 187



122, 99, 118



250, 250, 250



122, 122, 122



# Same Dimension

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



187, 87, 167



242, 87, 211



187, 87, 117



94, 85, 92



158, 0, 126



31, 0, 24



# Inverse Universe

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



187, 87, 167



242, 87, 211



87, 187, 157



94, 85, 92



158, 0, 126



31, 0, 24



# Previews

## White Background



This preview shows how the RGB color 187, 87, 167 looks on a white background.

## Color Contrast Check

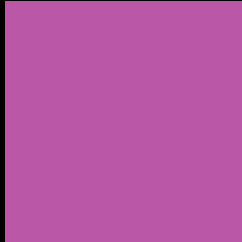
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87, 167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

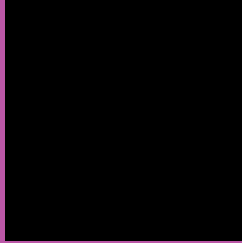
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RGB 187, 87, 167 Background



This preview shows how black text looks on a background with the RGB color 187, 87, 167.

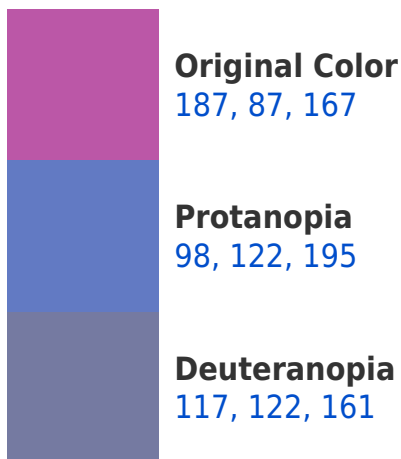


This preview shows how white text looks on a background with the RGB color 187, 87, 167.

# 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**  
181, 101, 108

# Trichromacy



**Original Color**

187, 87, 167



**Protanomaly**

130, 109, 185



**Deuteranomaly**

142, 109, 163



**Tritanomaly**

183, 96, 129

# Monochromacy



**Original Color**

187, 87, 167



**Achromatopsia**

126, 126, 126



**Achromatomaly**

148, 112, 141

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 187, 87, 167 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, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(187, 87, 167)  
}
```

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, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 87, 167) }
```

## Border

The CSS property to change the border of an element to RGB 187, 87, 167 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, 87, 167) }
```

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

```
.border{ border-color:rgb(187, 87, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 87, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(187, 87,  
167) }
```

# Background

The CSS property to change the background color of an element to RGB 187, 87, 167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 87, 167) }
```

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

```
.background{ background-color: rgb(187, 87,  
167) }
```

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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