

Converting Colors

RGB(187, 87, 217)

Have a look what the booklet for
RGB(187, 87, 217) contains.

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Color

RGB(187, 87, 217)

Conversions

Conversions Part 1

Format	Color
Hex	BB57D9
RGB	187, 87, 217
RGB Percent	73%, 34%, 85%
CMY	0.2667, 0.6588, 0.1490
CMYK	0.14, 0.60, 0.00, 0.15
HSL	286°, 63%, 60%
HSV	286°, 60%, 85%
XYZ	36.4261, 22.3909, 68.0477
YIQ	131.7200, 17.8700, 61.6300

Conversions

Conversions Part 2

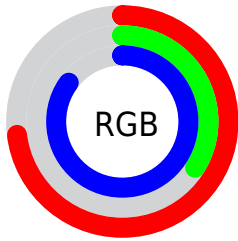
Format	Color
RYB	187, 87, 217
Decimal	12277721
CIELab	54.44, 59.57, -49.55
CIELCh	54, 77.480, 320.247
Yxy	22.3909, 0.2871, 0.1765
Android (android.graphics.Color)	4290467801 (0xFFBB57D9)
YUV	131.7200, 42.0430, 48.4806
Hunter-Lab	47.3191, 54.6005, -52.1392

Details

The RGB color **187, 87, 217** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **117, 217, 87**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **246, 142, 255**, and **130, 29, 161** is the 20% darker color. If you saturate the color by 10%, you get **182, 65, 217**, and if you desaturate by 10%, it is **192, 109, 217**.

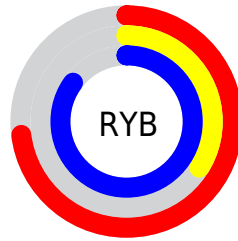
Distribution



Red (73%)

Green (34%)

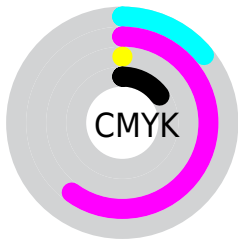
Blue (85%)



Red (73%)

Yellow (34%)

Blue (85%)

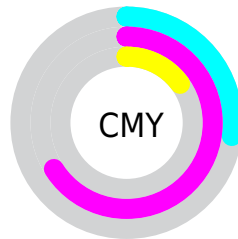


Cyan (14%)

Magenta (60%)

Yellow (0%)

Black (15%)



Cyan (27%)

















Magenta (66%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 187, 87, 217 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, 217 by changing the saturation by 10% instead.

 187, 87, 217	 187, 87, 217
 255, 255, 255	 158, 59, 189
 246, 142, 255	 130, 29, 161
 255, 170, 255	 103, 0, 135
 255, 198, 255	 75, 0, 109
 255, 227, 255	 49, 0, 84
	 21, 0, 60
	 0, 2, 37
	 0, 1, 13
	 0, 0, 0

■ 187, 87, 217

■ 187, 87, 217

■ 182, 65, 217

■ 192, 109, 217

■ 177, 44, 217

■ 197, 130, 217

■ 172, 22, 217

■ 202, 152, 217

■ 167, 0, 217

■ 207, 174, 217

■ 167, 0, 217

■ 212, 196, 217

■ 217, 217, 217

■ 222, 239, 217

■ 227, 255, 217

■ 232, 255, 217

Harmonies

Analogous

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



62, 122, 255



187, 87, 217



236, 48, 155

Triad

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



187, 87, 217



176, 120, 0



0, 159, 175

Complementary

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



187, 87, 217



117, 217, 87

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, 158, 105



187, 87, 217



115, 141, 0

Square

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



187, 87, 217



221, 88, 20



0, 152, 31



0, 156, 233

Rectangle

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



187, 87, 217



246, 42, 110



0, 152, 31



0, 159, 152

Sweetspot

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



187, 87, 217



244, 209, 255



87, 117, 217



121, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 87, 217



213, 71, 255



217, 87, 182



107, 99, 110



133, 0, 173



35, 0, 46

Inverse Universe

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



217, 87, 117



255, 71, 114



87, 217, 122



110, 99, 101



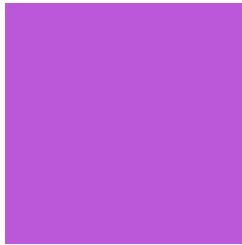
173, 0, 40



46, 0, 11

Previews

White Background



This preview shows how the RGB color 187, 87, 217 looks on a white background.

Color Contrast Check

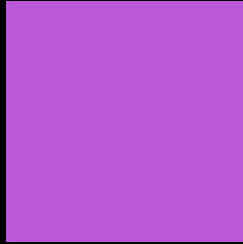
Large Text (above 18pt) WCAG AA ✓ Pass

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, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

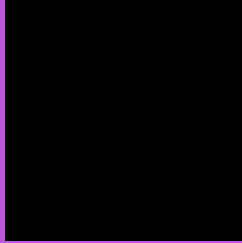
Any Text WCAG AA ✓ Pass

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, 217 Background



This preview shows how black text looks on a background with the RGB color 187, 87, 217.

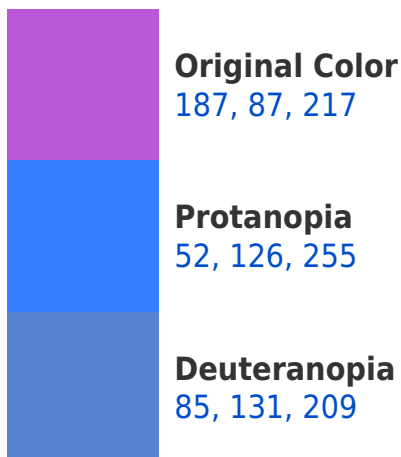



This preview shows how white text looks on a background with the RGB color 187, 87, 217.

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, 114, 122

Trichromacy



Original Color

187, 87, 217



Protanomaly

101, 112, 241



Deuteranomaly

122, 115, 212



Tritanomaly

179, 104, 157

Monochromacy



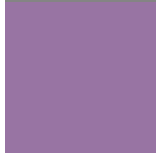
Original Color

187, 87, 217



Achromatopsia

132, 132, 132



Achromatomaly

152, 116, 163

CSS Examples

Text

The CSS property to change the color of the text to RGB 187, 87, 217 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(187, 87, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 87, 217) }
```

Border

The CSS property to change the border of an element to RGB 187, 87, 217 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, 217) }
```

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

```
.border{ border-color:rgb(187, 87, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 87, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 87, 217);  
box-shadow:4px 4px 4px 4px rgb(187, 87,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 187, 87, 217 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, 217) }
```

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

```
.background{ background-color: rgb(187, 87,  
217) }
```

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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