

Converting Colors

`RYB(187, 89, 243)`

Have a look what the booklet for RYB(187, 89, 243) contains.

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Color

R_YB(187, 89, 243)

Conversions

Conversions Part 1

Format	Color
Hex	BB59F3
RGB	187, 89, 243
RGB Percent	73%, 35%, 95%
CMY	0.2667, 0.6510, 0.0471
CMYK	0.23, 0.63, 0.00, 0.05
HSL	278°, 87%, 65%
HSV	278°, 63%, 95%
XYZ	40.2436, 24.1806, 87.3403
YIQ	135.8580, 8.9740, 68.6700

Conversions

Conversions Part 2

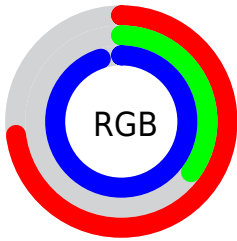
Format	Color
R _Y B	187, 89, 243
Decimal	12278259
CIE Lab	56.27, 63.95, -61.23
CIE LCh	56, 88.538, 316.246
Yxy	24.1806, 0.2652, 0.1593
Android (android.graphics.Color)	4290468339 (0xFFBB59F3)
YUV	135.8580, 52.8210, 44.8515
Hunter-Lab	49.1738, 60.0293, -70.8866

Details

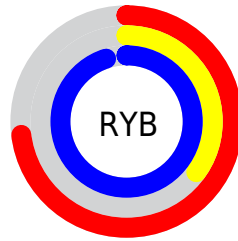
The RYB color **187, 89, 243** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **89, 243, 187**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **246, 144, 255**, and **129, 30, 186** is the 20% darker color. If you saturate the color by 10%, you get **178, 65, 243**, and if you desaturate by 10%, it is **196, 113, 243**.

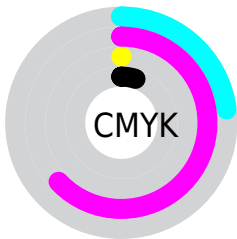
Distribution



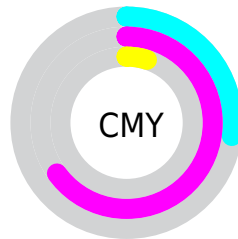
- Red (73%)
- Green (35%)
- Blue (95%)



- Red (73%)
- Yellow (35%)
- Blue (95%)



- Cyan (23%)
- Magenta (63%)
- Yellow (0%)
- Black (5%)



- Cyan (27%)
- Magenta (65%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 89, 243 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 RYB color 187, 89, 243 by changing the saturation by 10% instead.

 187, 89, 243

 187, 89, 243


255, 255, 255

 158, 61, 214

 246, 144, 255

 129, 30, 186

 255, 172, 255

 101, 0, 158

 255, 201, 255

 72, 0, 131

 255, 230, 255

 42, 0, 105

 4, 0, 80


 0, 1, 56

 0, 2, 34

 0, 0, 7


 187, 89, 243


 187, 89, 243

 178, 65, 243

 196, 113, 243


 169, 40, 243

 205, 138, 243

 160, 16, 243

 214, 162, 243

 155, 0, 243

 222, 186, 243

 231, 210, 243

 240, 235, 243

 243, 255, 249

 243, 255, 243

Harmonies

Analogous

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



0, 87, 255



187, 89, 243



251, 23, 174

Triad

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



187, 89, 243



120, 193, 0



0, 86, 176

Complementary

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



187, 89, 243



89, 243, 187

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, 105, 165



187, 89, 243



0, 144, 19

Square

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



187, 89, 243



242, 100, 15



0, 158, 158



0, 99, 246

Rectangle

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



187, 89, 243



255, 0, 122



0, 158, 158



0, 88, 167

Sweetspot

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



187, 89, 243



237, 207, 255



89, 130, 243



117, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 89, 243



185, 61, 255



243, 89, 222



118, 110, 122



118, 0, 186



37, 0, 59

Inverse Universe

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



243, 89, 145



255, 61, 132



89, 225, 243



122, 110, 115



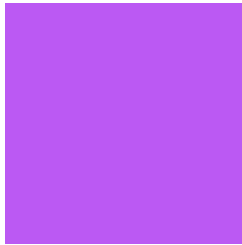
186, 0, 68



59, 0, 21

Previews

White Background



This preview shows how the RYB color 187, 89, 243 looks on a white background.

Color Contrast Check

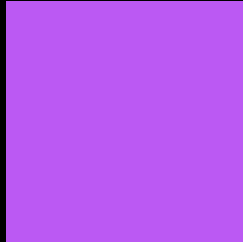
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 187, 89, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

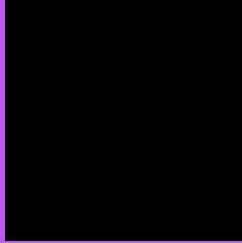
Any Text WCAG AA ✓ Pass

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](#).

RYB 187, 89, 243 Background



This preview shows how black text looks on a background with the RYB color 187, 89, 243.

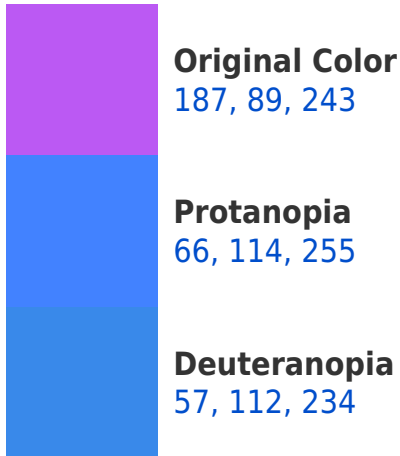


This preview shows how white text looks on a background with the RYB color 187, 89, 243.

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
169, 122, 131

Trichromacy



Original Color

187, 89, 243



Protanomaly

110, 116, 251



Deuteranomaly

104, 118, 237



Tritanomaly

176, 110, 172

Monochromacy



Original Color

187, 89, 243



Achromatopsia

136, 136, 136



Achromatomaly

155, 119, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 89, 243 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, 89, 243)` looks like.

```
.text, #text, p{  
    color:rgb(187, 89, 243)  
}
```

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, 89, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 89, 243) }
```

Border

The CSS property to change the border of an element to RYB 187, 89, 243 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, 89, 243) }
```

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

```
.border{ border-color:rgb(187, 89, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 89, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 89, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 89, 243);  
box-shadow:4px 4px 4px 4px rgb(187, 89,  
243) }
```

Background

The CSS property to change the background color of an element to RYB 187, 89, 243 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 89, 243) }
```

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

```
.background{ background-color: rgb(187, 89,  
243) }
```

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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