

Converting Colors

`RYB(189, 75, 205)`

Have a look what the booklet for
RYB(189, 75, 205) contains.

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Color

R_YB(189, 75, 205)

Conversions

Conversions Part 1

Format	Color
Hex	BD4BCD
RGB	189, 75, 205
RGB Percent	74%, 29%, 80%
CMY	0.2588, 0.7059, 0.1961
CMYK	0.08, 0.63, 0.00, 0.20
HSL	293°, 57%, 55%
HSV	293°, 63%, 80%
XYZ	34.5218, 20.2587, 59.8484
YIQ	123.9060, 26.2140, 64.5980

Conversions

Conversions Part 2

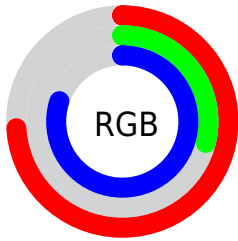
Format	Color
RYB	189, 75, 205
Decimal	12405709
CIELab	52.13, 63.09, -46.37
CIELCh	52, 78.292, 323.684
Yxy	20.2587, 0.3012, 0.1767
Android (android.graphics.Color)	4290595789 (0xFFBD4BCD)
YUV	123.9060, 39.9793, 57.0874
Hunter-Lab	45.0097, 58.1398, -47.3298

Details

The RYB color **189, 75, 205** 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 **75, 205, 189**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **248, 131, 255**, and **132, 1, 150** is the 20% darker color. If you saturate the color by 10%, you get **186, 55, 205**, and if you desaturate by 10%, it is **192, 96, 205**.

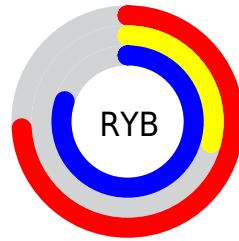
Distribution



Red (74%)

Green (29%)

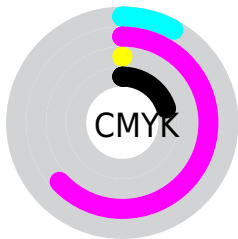
Blue (80%)



Red (74%)

Yellow (29%)

Blue (80%)

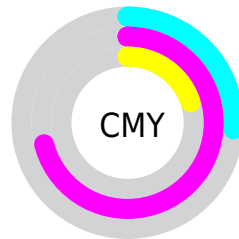


Cyan (8%)

Magenta (63%)

Yellow (0%)

Black (20%)



Cyan (26%)

Magenta (71%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 75, 205 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 189, 75, 205 by changing the saturation by 10% instead.



189, 75, 205



189, 75, 205

255, 255, 255



160, 45, 177



248, 131, 255



132, 1, 150



255, 159, 255



104, 0, 124



255, 187, 255



77, 0, 98



255, 216, 255



52, 0, 74



255, 246, 255



22, 0, 50



0, 1, 28



0, 0, 0



189, 75, 205



189, 75, 205

■ 186, 55, 205

■ 192, 96, 205

■ 184, 34, 205

■ 194, 116, 205

■ 181, 14, 205

■ 197, 137, 205

■ 180, 0, 205

■ 199, 157, 205

■ 202, 178, 205

■ 204, 198, 205

■ 205, 219, 217

■ 205, 239, 235

■ 205, 255, 248

Harmonies

Analogous

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



78, 107, 249



189, 75, 205



233, 31, 142

Triad

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



189, 75, 205



64, 163, 0



0, 82, 177

Complementary

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



189, 75, 205



75, 205, 189

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, 89, 152



189, 75, 205



0, 136, 36

Square

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



189, 75, 205



210, 143, 0



0, 120, 147



0, 91, 233

Rectangle

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



189, 75, 205



240, 30, 97



0, 120, 147



0, 77, 154

Sweetspot

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



189, 75, 205



249, 207, 255



75, 90, 205



124, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 75, 205



231, 61, 255



205, 75, 157



101, 92, 102



145, 0, 166



34, 0, 38

Inverse Universe

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



205, 75, 91



255, 61, 85



75, 170, 205



102, 92, 93



166, 0, 20



38, 0, 5

Previews

White Background



This preview shows how the RYB color 189, 75, 205 looks on a white background.

Color Contrast Check

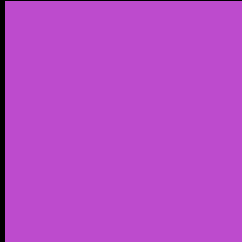
Large Text (above 18pt) WCAG AA ✓ Pass

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 189, 75, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

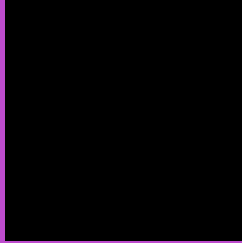
Any Text WCAG AA ✓ Pass

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 189, 75, 205 Background



This preview shows how black text looks on a background with the RYB color 189, 75, 205.

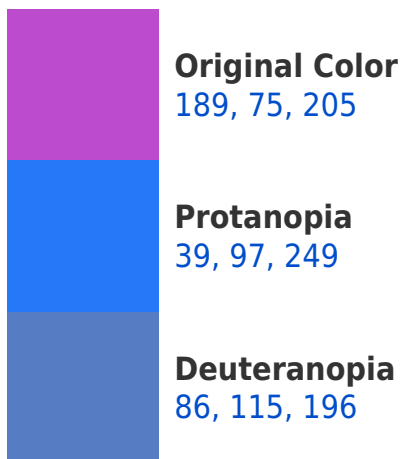



This preview shows how white text looks on a background with the RYB color 189, 75, 205.

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
177, 103, 111

Trichromacy



Original Color

189, 75, 205



Protanomaly

94, 103, 233



Deuteranomaly

123, 107, 199



Tritanomaly

181, 93, 145

Monochromacy



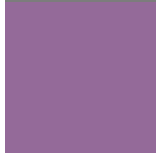
Original Color

189, 75, 205



Achromatopsia

124, 124, 124



Achromatomaly

148, 106, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 75, 205 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(189, 75, 205)` looks like.

```
.text, #text, p{  
    color:rgb(189, 75, 205)  
}
```

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(189, 75, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 75, 205) }
```

Border

The CSS property to change the border of an element to RYB 189, 75, 205 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(189, 75, 205) }
```

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

```
.border{ border-color:rgb(189, 75, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 75, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 75, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 75, 205);  
box-shadow:4px 4px 4px 4px rgb(189, 75,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 189, 75, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(189, 75, 205) }
```

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

```
.background{ background-color: rgb(189, 75,  
205) }
```

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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