

Converting Colors

`RYB(188, 133, 205)`

Have a look what the booklet for
RYB(188, 133, 205) contains.

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Color

R_YB(188, 133, 205)

Conversions

Conversions Part 1

Format	Color
Hex	BC85CD
RGB	188, 133, 205
RGB Percent	74%, 52%, 80%
CMY	0.2627, 0.4784, 0.1961
CMYK	0.08, 0.35, 0.00, 0.20
HSL	286°, 42%, 66%
HSV	286°, 35%, 80%
XYZ	40.1460, 31.8742, 61.7940
YIQ	157.6530, 9.6680, 34.0520

Conversions

Conversions Part 2

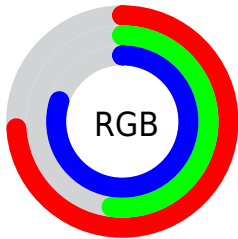
Format	Color
RYB	188, 133, 205
Decimal	12355021
CIELab	63.24, 33.60, -28.97
CIELCh	63, 44.366, 319.237
Yxy	31.8742, 0.3000, 0.2382
Android (android.graphics.Color)	4290545101 (0xFFBC85CD)
YUV	157.6530, 23.3421, 26.6143
Hunter-Lab	56.4572, 28.1289, -25.3745

Details

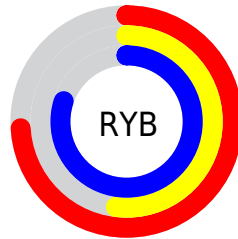
The RYB color **188, 133, 205** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **133, 205, 188**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **245, 187, 255**, and **134, 82, 151** is the 20% darker color. If you saturate the color by 10%, you get **183, 113, 205**, and if you desaturate by 10%, it is **193, 154, 205**.

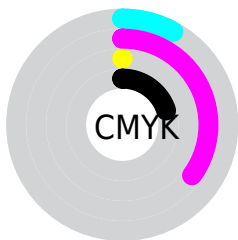
Distribution



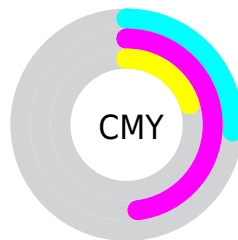
- Red (74%)
- Green (52%)
- Blue (80%)



- Red (74%)
- Yellow (52%)
- Blue (80%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)



- Cyan (26%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the RYB color 188, 133, 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 188, 133, 205 by changing the saturation by 10% instead.

 188, 133, 205

 188, 133, 205

255, 255, 255

 160, 107, 177

 245, 187, 255

 134, 82, 151

 255, 215, 255

 107, 58, 124

 255, 244, 255

 82, 34, 99

 58, 10, 75

 35, 0, 52

 0, 0, 30


 0, 0, 0

 188, 133, 205


 188, 133, 205

 183, 113, 205


 193, 154, 205

 178, 92, 205

 198, 174, 205

 173, 72, 205


 203, 195, 205

 169, 51, 205

 205, 215, 213

 164, 31, 205

 205, 236, 229

 159, 10, 205

 205, 255, 243

 157, 0, 205

 205, 255, 238

 205, 255, 233

 205, 255, 228

Harmonies

Analogous

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



134, 146, 228



188, 133, 205



219, 122, 169

Triad

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



188, 133, 205



143, 189, 74



0, 88, 178

Complementary

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



188, 133, 205



133, 205, 188

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.



37, 115, 172



188, 133, 205



76, 159, 83

Square

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



188, 133, 205



216, 148, 95



100, 168, 162



0, 94, 212

Rectangle

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



188, 133, 205



228, 120, 142



100, 168, 162



0, 89, 173

Sweetspot

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



188, 133, 205



248, 227, 255



133, 147, 205



124, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 133, 205



230, 148, 255



205, 133, 187



100, 92, 102



127, 0, 166



29, 0, 38

Inverse Universe

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



205, 133, 150



255, 148, 173



133, 191, 205



102, 92, 94



166, 0, 39



38, 0, 9

Previews

White Background



This preview shows how the RYB color 188, 133, 205 looks on a white background.

Color Contrast Check

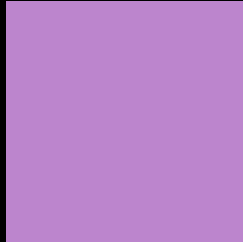
Large Text (above 18pt) WCAG AA × Fail

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 188, 133, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

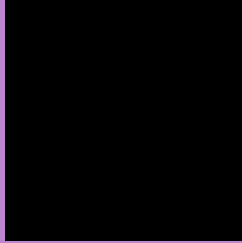
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 188, 133, 205 Background



This preview shows how black text looks on a background with the RYB color 188, 133, 205.

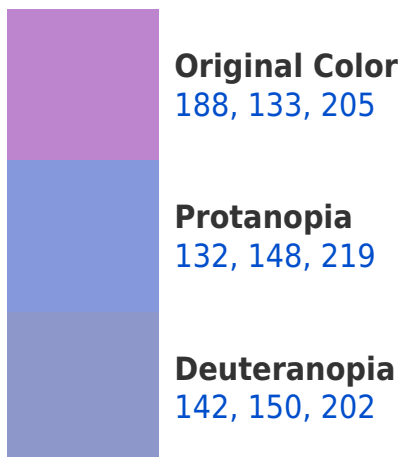



This preview shows how white text looks on a background with the RYB color 188, 133, 205.

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
181, 143, 154

Trichromacy



Original Color

188, 133, 205



Protanomaly

152, 144, 214



Deuteranomaly

159, 144, 203



Tritanomaly

184, 139, 173

Monochromacy



Original Color

188, 133, 205



Achromatopsia

158, 158, 158



Achromatomaly

169, 149, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 133, 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(188, 133, 205) looks like.

```
.text, #text, p{  
    color:rgb(188, 133, 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(188, 133, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 133, 205) }
```

Border

The CSS property to change the border of an element to RYB 188, 133, 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(188, 133, 205) }
```

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

```
.border{ border-color:rgb(188, 133, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 133, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 133, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 133, 205);  
box-shadow:4px 4px 4px 4px rgb(188, 133,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 188, 133, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 133, 205) }
```

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

```
.background{ background-color: rgb(188,  
133, 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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