

Converting Colors

`RYB(181, 88, 179)`

Have a look what the booklet for RYB(181, 88, 179) contains.

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Color

RYB(181, 88, 179)

Conversions

Conversions Part 1

Format	Color
Hex	B558B3
RGB	181, 88, 179
RGB Percent	71%, 35%, 70%
CMY	0.2902, 0.6549, 0.2980
CMYK	0.00, 0.51, 0.01, 0.29
HSL	301°, 39%, 53%
HSV	301°, 51%, 71%
XYZ	30.6825, 20.0579, 44.9022
YIQ	126.1810, 26.2170, 48.0170

Conversions

Conversions Part 2

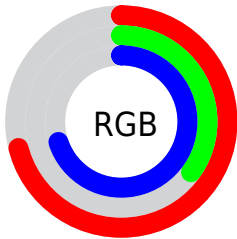
Format	Color
R _Y B	181, 88, 179
Decimal	11884723
CIE Lab	51.90, 50.31, -31.79
CIE LCh	52, 59.515, 327.709
Yxy	20.0579, 0.3208, 0.2097
Android (android.graphics.Color)	4290074803 (0xFFB558B3)
YUV	126.1810, 26.0398, 48.0763
Hunter-Lab	44.7860, 43.9131, -28.0936

Details

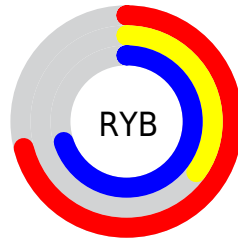
The RYB color **181, 88, 179** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **88, 179, 181**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **239, 142, 235**, and **126, 34, 126** is the 20% darker color. If you saturate the color by 10%, you get **181, 70, 179**, and if you desaturate by 10%, it is **181, 106, 179**.

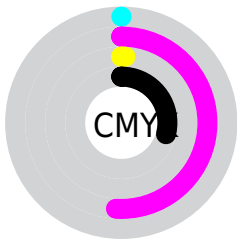
Distribution



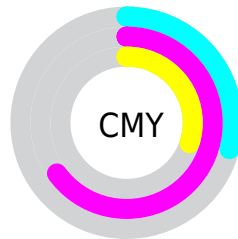
- Red (71%)
- Green (35%)
- Blue (70%)



- Red (71%)
- Yellow (35%)
- Blue (70%)



- Cyan (0%)
- Magenta (51%)
- Yellow (1%)
- Black (29%)




- Cyan (29%)
- Magenta (65%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 88, 179 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 181, 88, 179 by changing the saturation by 10% instead.

 181, 88, 179


255, 255, 255

 239, 142, 235

 255, 169, 255

 255, 197, 255

 255, 226, 255

 181, 88, 179

 153, 62, 152

 126, 34, 126

 99, 0, 101


 73, 0, 76


 49, 0, 53

 18, 0, 31

 0, 0, 1

 0, 0, 0

 181, 88, 179

 181, 88, 179

■ 181, 70, 179

■ 181, 106, 179

■ 181, 52, 178

■ 181, 124, 180

■ 181, 34, 178

■ 181, 142, 180

■ 181, 16, 177

■ 181, 160, 181

■ 181, 0, 177

■ 181, 179, 181

■ 181, 197, 197

■ 181, 214, 215

■ 181, 232, 233

■ 181, 249, 251

Harmonies

Analogous

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



114, 112, 215



181, 88, 179



211, 72, 130

Triad

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



181, 88, 179



39, 151, 0



0, 79, 170

Complementary

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



181, 88, 179



88, 179, 181

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, 82, 147



181, 88, 179



16, 135, 49

Square

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



181, 88, 179



190, 148, 34



1, 98, 143



0, 85, 210

Rectangle

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



181, 88, 179



215, 73, 96



1, 98, 143



0, 75, 153

Sweetspot

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



181, 88, 179



235, 199, 234



90, 88, 181



117, 96, 117



245, 245, 245



117, 117, 117

Same Dimension

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



181, 88, 179



235, 89, 231



181, 88, 133



89, 80, 89



153, 0, 150



26, 0, 25

Inverse Universe

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



181, 88, 179



235, 89, 231



88, 149, 181



89, 80, 89



153, 0, 150



26, 0, 25

Previews

White Background



This preview shows how the RYB color 181, 88, 179 looks on a white background.

Color Contrast Check

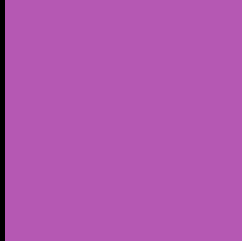
Large Text (above 18pt) WCAG AA ✓ Pass

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 181, 88, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

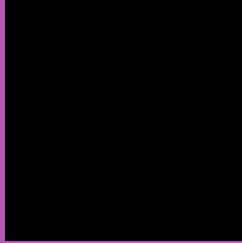
Any Text WCAG AA ✓ Pass

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](#).

R Y B 181, 88, 179 Background



This preview shows how black text looks on a background with the RYB color 181, 88, 179.

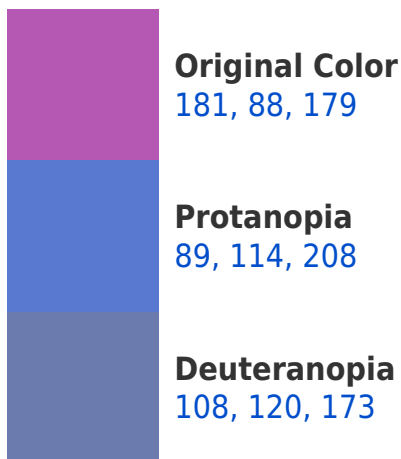


This preview shows how white text looks on a background with the RYB color 181, 88, 179.

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
173, 104, 112

Trichromacy



Original Color

181, 88, 179



Protanomaly

122, 109, 197



Deuteranomaly

135, 110, 175



Tritanomaly

176, 98, 136

Monochromacy



Original Color

181, 88, 179



Achromatopsia

126, 126, 126



Achromatomaly

146, 112, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 88, 179 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(181, 88, 179)` looks like.

```
.text, #text, p{  
    color:rgb(181, 88, 179)  
}
```

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(181, 88, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 88, 179) }
```

Border

The CSS property to change the border of an element to RYB 181, 88, 179 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(181, 88, 179) }
```

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

```
.border{ border-color:rgb(181, 88, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 88, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 88, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 88, 179);  
box-shadow:4px 4px 4px 4px rgb(181, 88,  
179) }
```

Background

The CSS property to change the background color of an element to RGB 181, 88, 179 is called "background".

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

```
.background, #background, body{  
background: rgb(181, 88, 179) }
```

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

```
.background{ background-color: rgb(181, 88,  
179) }
```

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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