

Converting Colors

`RYB(189, 158, 197)`

Have a look what the booklet for
RYB(189, 158, 197) contains.

RYB(189, 158, 197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(189, 158, 197)

Conversions

Conversions Part 1

Format	Color
Hex	BD9EC5
RGB	189, 158, 197
RGB Percent	74%, 62%, 77%
CMY	0.2588, 0.3804, 0.2275
CMYK	0.04, 0.20, 0.00, 0.23
HSL	288°, 25%, 70%
HSV	288°, 20%, 77%
XYZ	43.2912, 39.3038, 58.1280
YIQ	171.7150, 5.9570, 18.7010

Conversions

Conversions Part 2

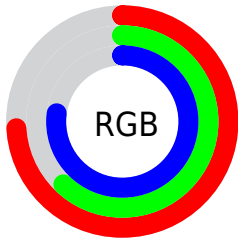
Format	Color
RYB	189, 158, 197
Decimal	12426949
CIELab	68.97, 18.45, -15.74
CIELCh	69, 24.253, 319.522
Yxy	39.3038, 0.3076, 0.2793
Android (android.graphics.Color)	4290617029 (0xFFBD9EC5)
YUV	171.7150, 12.4655, 15.1589
Hunter-Lab	62.6927, 13.5473, -11.0882

Details

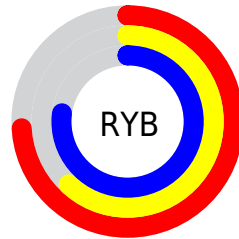
The RYB color **189, 158, 197** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **158, 197, 189**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **246, 213, 254**, and **135, 106, 143** is the 20% darker color. If you saturate the color by 10%, you get **185, 138, 197**, and if you desaturate by 10%, it is **193, 178, 197**.

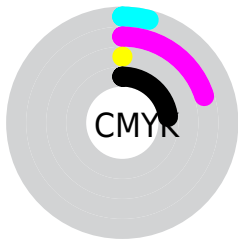
Distribution



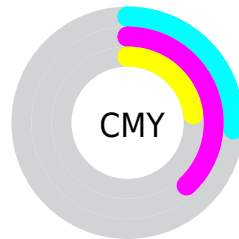
- Red (74%)
- Green (62%)
- Blue (77%)



- Red (74%)
- Yellow (62%)
- Blue (77%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 158, 197 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, 158, 197 by changing the saturation by 10% instead.


 189, 158, 197

255, 255, 255

 246, 213, 254


 255, 241, 255


 189, 158, 197

 162, 132, 170


 135, 106, 143

 110, 82, 118

 85, 59, 93

 61, 37, 69

 39, 16, 47

 18, 0, 26

 0, 0, 0

 189, 158, 197

 189, 158, 197

185, 138, 197

193, 178, 197

181, 119, 197

197, 197, 197

177, 99, 197

197, 217, 213

173, 79, 197

197, 237, 229

169, 60, 197

197, 255, 243

165, 40, 197

197, 255, 239

161, 20, 197

197, 255, 235

157, 0, 197

197, 255, 231

197, 255, 227

Harmonies

Analogous

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



162, 165, 209



189, 158, 197



207, 153, 177

Triad

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



189, 158, 197



173, 192, 125



106, 144, 182

Complementary

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



189, 158, 197



158, 197, 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.



121, 157, 180



189, 158, 197



127, 171, 128

Square

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



189, 158, 197



207, 166, 136



139, 177, 172



109, 148, 201

Rectangle

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



189, 158, 197



213, 152, 162



139, 177, 172



109, 147, 181

Sweetspot

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



189, 158, 197



252, 240, 255



158, 165, 197



126, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 158, 197



242, 194, 255



197, 158, 186



97, 90, 99



130, 0, 163



28, 0, 36

Inverse Universe

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



197, 158, 166



255, 194, 206



158, 188, 197



99, 90, 92



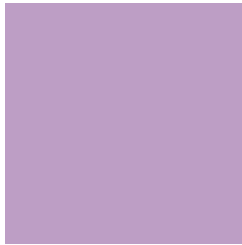
163, 0, 33



36, 0, 7

Previews

White Background



This preview shows how the RYB color 189, 158, 197 looks on a white background.

Color Contrast Check

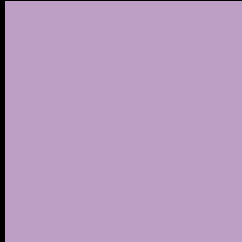
Large Text (above 18pt) WCAG AA × Fail

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 189, 158, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

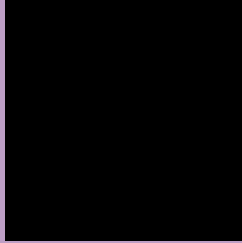
Any Text WCAG AA ✓ Pass

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](#).

RYP 189, 158, 197 Background



This preview shows how black text looks on a background with the RYB color 189, 158, 197.



This preview shows how white text looks on a background with the RYB color 189, 158, 197.

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



Original Color
189, 158, 197

Protanopia
161, 166, 203

Deuteranopia
172, 164, 196



Tritanopia
186, 162, 175

Trichromacy



Original Color
189, 158, 197

Protanomaly
171, 164, 201

Deuteranomaly
178, 162, 196

Tritanomaly
187, 161, 183

Monochromacy



Original Color
189, 158, 197

Achromatopsia
172, 172, 172

Achromatomaly
178, 167, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 158, 197 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, 158, 197)` looks like.

```
.text, #text, p{  
    color:rgb(189, 158, 197)  
}
```

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, 158, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 158, 197) }
```

Border

The CSS property to change the border of an element to RYB 189, 158, 197 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, 158, 197) }
```

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

```
.border{ border-color:rgb(189, 158, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 158, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 158, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 158, 197);  
box-shadow:4px 4px 4px 4px rgb(189, 158,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 189, 158, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 158, 197) }
```

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

```
.background{ background-color: rgb(189,  
158, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor