

# Converting Colors

`RYB(189, 167, 203)`

Have a look what the booklet for  
RYB(189, 167, 203) contains.

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# Color

**R<sub>Y</sub>B(189, 167, 203)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDA7CB
RGB	189, 167, 203
RGB Percent	74%, 65%, 80%
CMY	0.2588, 0.3451, 0.2039
CMYK	0.07, 0.18, 0.00, 0.20
HSL	277°, 26%, 73%
HSV	277°, 18%, 80%
XYZ	45.5845, 42.7680, 62.3524
YIQ	177.6820, 1.5560, 15.8600

# Conversions

## Conversions Part 2

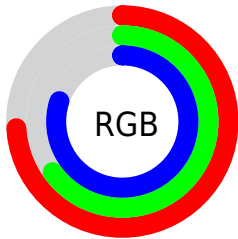
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 167, 203
Decimal	12429259
CIELab	71.40, 14.67, -15.40
CIELCh	71, 21.265, 313.602
Yxy	42.7680, 0.3025, 0.2838
Android (android.graphics.Color)	4290619339 (0xFFBDA7CB)
YUV	177.6820, 12.4818, 9.9259
Hunter-Lab	65.3973, 9.9763, -10.7514

# Details

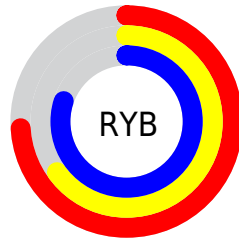
The RYB color **189, 167, 203** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **167, 203, 189**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **245, 222, 255**, and **135, 115, 149** is the 20% darker color. If you saturate the color by 10%, you get **181, 147, 203**, and if you desaturate by 10%, it is **197, 187, 203**.

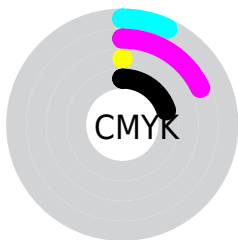
# Distribution



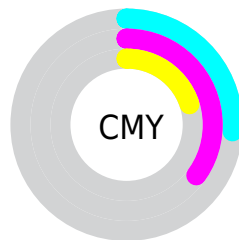
- Red (74%)
- Green (65%)
- Blue (80%)



- Red (74%)
- Yellow (65%)
- Blue (80%)



- Cyan (7%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)




- Cyan (26%)
- Magenta (35%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 189, 167, 203 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, 167, 203 by changing the saturation by 10% instead.




 189, 167, 203

255, 255, 255

 245, 222, 255

 255, 251, 255

 189, 167, 203

 162, 141, 176


 135, 115, 149

 110, 90, 123

 85, 67, 98

 62, 44, 74

 39, 24, 51

 21, 0, 31

 0, 0, 1

 0, 0, 0

189, 167, 203

189, 167, 203

181, 147, 203

197, 187, 203

173, 126, 203

203, 208, 206

165, 106, 203

203, 228, 218

157, 86, 203

203, 248, 230

150, 66, 203

203, 255, 230

142, 45, 203

203, 255, 222

134, 25, 203

203, 255, 214

126, 5, 203

203, 255, 206

124, 0, 203

203, 255, 203

# Harmonies

## Analogous

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



164, 172, 212



189, 167, 203



207, 162, 186

# Triad

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



189, 167, 203



193, 199, 138



123, 155, 186

# Complementary

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



189, 167, 203



167, 203, 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.



137, 168, 185



189, 167, 203



141, 180, 137

# Square

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



189, 167, 203



212, 169, 149



146, 182, 170



123, 157, 201

# Rectangle

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



189, 167, 203



214, 161, 173



146, 182, 170



127, 159, 186



# Sweetspot

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



189, 167, 203



250, 242, 255



167, 177, 203



125, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



189, 167, 203



234, 201, 255



203, 167, 199



98, 92, 102



101, 0, 166



23, 0, 38



# Inverse Universe

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



203, 167, 181



255, 201, 222



167, 199, 203



102, 92, 96



166, 0, 64

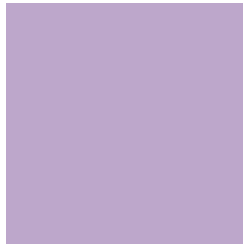


38, 0, 15



# Previews

## White Background



This preview shows how the RYB color 189, 167, 203 looks on a white background.

## Color Contrast Check

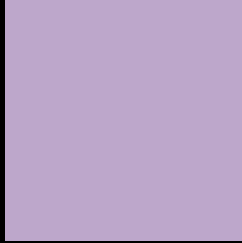
Large Text (above 18pt) WCAG AA × Fail

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, 167, 203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

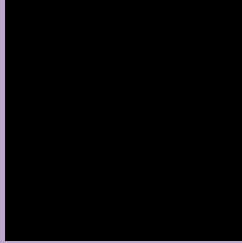
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 189, 167, 203 Background**



This preview shows how black text looks on a background with the RYB color 189, 167, 203.



This preview shows how white text looks on a background with the RYB color 189, 167, 203.

# 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, 167, 203

**Protanopia**  
168, 172, 207

**Deuteranopia**  
179, 171, 202



**Tritanopia**  
186, 170, 184

# Trichromacy



**Original Color**  
189, 167, 203

**Protanomaly**  
176, 171, 206

**Deuteranomaly**  
183, 170, 202

**Tritanomaly**  
187, 169, 191

# Monochromacy



**Original Color**  
189, 167, 203

**Achromatopsia**  
178, 178, 178

**Achromatomaly**  
182, 174, 187

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 189, 167, 203 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, 167, 203) looks like.

```
.text, #text, p{  
    color:rgb(189, 167, 203)  
}
```

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, 167, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 167, 203) }
```

## Border

The CSS property to change the border of an element to RYB 189, 167, 203 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, 167, 203) }
```

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

```
.border{ border-color:rgb(189, 167, 203) }
```

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

Here you see how a box with a 4 pixel rgb(189, 167, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 167, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 167, 203);  
box-shadow:4px 4px 4px 4px rgb(189, 167,  
203) }
```

# Background

The CSS property to change the background color of an element to RYB 189, 167, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 167, 203) }
```

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

```
.background{ background-color: rgb(189,  
167, 203) }
```

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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