

# Converting Colors

`RYB(203, 157, 188)`

Have a look what the booklet for  
RYB(203, 157, 188) contains.

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# Color

**R<sub>Y</sub>B(203, 157, 188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB9DBC
RGB	203, 157, 188
RGB Percent	80%, 62%, 74%
CMY	0.2039, 0.3843, 0.2627
CMYK	0.00, 0.23, 0.07, 0.20
HSL	320°, 31%, 71%
HSV	320°, 23%, 80%
XYZ	45.7627, 40.4413, 52.9709
YIQ	174.2880, 17.4650, 19.3930

# Conversions

## Conversions Part 2

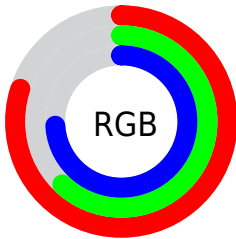
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 157, 188
Decimal	13344188
CIE Lab	69.78, 22.13, -9.40
CIE LCh	70, 24.046, 336.997
Yxy	40.4413, 0.3288, 0.2906
Android (android.graphics.Color)	4291534268 (0xFFFCB9DBC)
YUV	174.2880, 6.7600, 25.1804
Hunter-Lab	63.5935, 17.1623, -4.8709

# Details

The RYB color **203, 157, 188** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **157, 192, 203**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **255, 212, 244**, and **148, 105, 135** is the 20% darker color. If you saturate the color by 10%, you get **203, 137, 181**, and if you desaturate by 10%, it is **203, 177, 195**.

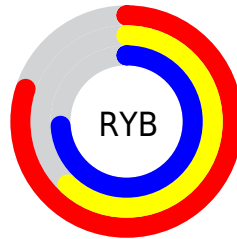
# Distribution



Red (80%)

Green (62%)

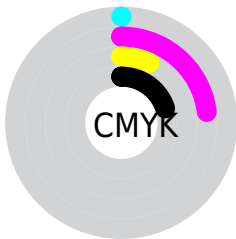
Blue (74%)



Red (80%)

Yellow (62%)

Blue (74%)

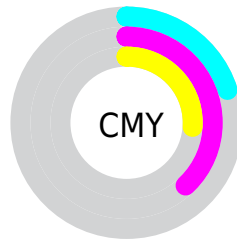


Cyan (0%)

Magenta (23%)

Yellow (7%)

Black (20%)



Cyan (20%)

Magenta (38%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 203, 157, 188 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 203, 157, 188 by changing the saturation by 10% instead.



 203, 157, 188

255, 255, 255

 255, 212, 244

 255, 240, 255

 203, 157, 188

 175, 131, 161

 148, 105, 135

 122, 81, 109

 97, 57, 85

 72, 35, 62

 49, 13, 40

 31, 0, 20

 0, 0, 0

 203, 157, 188


 203, 157, 188

 203, 137, 181


 203, 177, 195

 203, 116, 175


 203, 198, 201

 203, 96, 168


 203, 214, 218

 203, 76, 162


 203, 230, 238

 203, 56, 155

 203, 242, 255

 203, 35, 148

 203, 238, 255

 203, 15, 142

 203, 236, 255

 203, 0, 137

 203, 233, 255

 203, 231, 255

# Harmonies

## Analogous

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



181, 163, 205



203, 157, 188



214, 155, 166

# Triad

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



203, 157, 188



141, 182, 127



108, 148, 196

# Complementary

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



203, 157, 188



157, 192, 203

# 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.



113, 150, 183



203, 157, 188



135, 177, 155

# Square

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



203, 157, 188



201, 190, 131



133, 167, 181



123, 156, 210

# Rectangle

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



203, 157, 188



215, 156, 152



133, 167, 181



107, 146, 189



# Sweetspot

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



203, 157, 188



255, 237, 249



172, 157, 203



128, 117, 124



0, 0, 0



128, 128, 128



# Same Dimension

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



203, 157, 188



255, 186, 233



203, 157, 165



102, 92, 99



166, 0, 112



38, 0, 26



# Inverse Universe

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



203, 157, 188



255, 186, 233



157, 182, 203



102, 92, 99



166, 0, 112

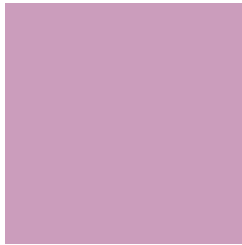


38, 0, 26



# Previews

## White Background



This preview shows how the RYB color 203, 157, 188 looks on a white background.

## Color Contrast Check

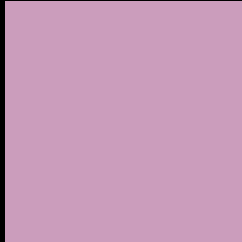
Large Text (above 18pt) WCAG AA × Fail

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 203, 157, 188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

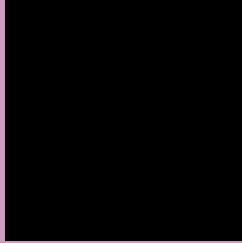
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 203, 157, 188 Background



This preview shows how black text looks on a background with the RYB color 203, 157, 188.



This preview shows how white text looks on a background with the RYB color 203, 157, 188.

# 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**  
203, 157, 188

**Protanopia**  
166, 169, 196

**Deuteranopia**  
180, 166, 186



# Tritanopia

201, 160, 172

# Trichromacy



**Original Color**  
203, 157, 188

**Protanomaly**  
179, 165, 193

**Deuteranomaly**  
188, 163, 187

**Tritanomaly**  
202, 159, 178

# Monochromacy



**Original Color**  
203, 157, 188

**Achromatopsia**  
174, 174, 174

**Achromatomaly**  
185, 168, 179

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 203, 157, 188 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(203, 157, 188) looks like.

```
.text, #text, p{  
    color:rgb(203, 157, 188)  
}
```

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(203, 157, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 157, 188) }
```

## Border

The CSS property to change the border of an element to RYB 203, 157, 188 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(203, 157, 188) }
```

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

```
.border{ border-color:rgb(203, 157, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 157, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 157, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 157, 188);  
box-shadow:4px 4px 4px 4px rgb(203, 157,  
188) }
```

# Background

The CSS property to change the background color of an element to RGB 203, 157, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 157, 188) }
```

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

```
.background{ background-color: rgb(203,  
157, 188) }
```

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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