

# Converting Colors

`RYB(203, 172, 205)`

Have a look what the booklet for  
RYB(203, 172, 205) contains.

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# Color

**R<sub>Y</sub>B(203, 172, 205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBACCD
RGB	203, 172, 205
RGB Percent	80%, 67%, 80%
CMY	0.2039, 0.3255, 0.1961
CMYK	0.01, 0.16, 0.00, 0.20
HSL	296°, 25%, 74%
HSV	296°, 16%, 80%
XYZ	50.4006, 46.6093, 64.0977
YIQ	185.0310, 7.8830, 16.8350

# Conversions

## Conversions Part 2

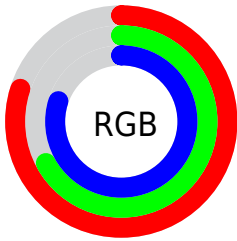
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 172, 205
Decimal	13348045
CIE <sub>Lab</sub>	73.94, 17.03, -12.55
CIE <sub>LCh</sub>	74, 21.159, 323.614
Yxy	46.6093, 0.3128, 0.2893
Android (android.graphics.Color)	4291538125 (0xFFCBACCD)
YUV	185.0310, 9.8447, 15.7588
Hunter-Lab	68.2710, 12.3020, -7.8760

# Details

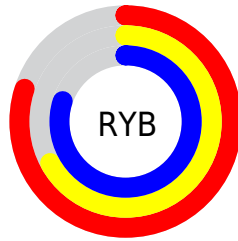
The RYB color **203, 172, 205** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **172, 205, 203**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **255, 227, 255**, and **149, 120, 151** is the 20% darker color. If you saturate the color by 10%, you get **202, 152, 205**, and if you desaturate by 10%, it is **204, 193, 205**.

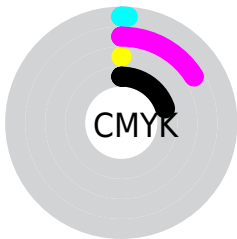
# Distribution



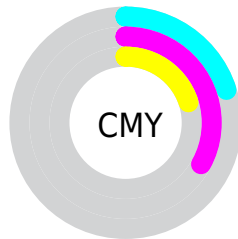
- Red (80%)
- Green (67%)
- Blue (80%)



- Red (80%)
- Yellow (67%)
- Blue (80%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (20%)
- Magenta (33%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 203, 172, 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 203, 172, 205 by changing the saturation by 10% instead.



 203, 172, 205


 203, 172, 205

255, 255, 255

 175, 145, 178

 255, 227, 255

 149, 120, 151

 123, 95, 125

 98, 71, 100

 73, 48, 76

 50, 27, 53


 30, 2, 32

 0, 0, 5


 0, 0, 0

 203, 172, 205

 203, 172, 205

 202, 152, 205


 204, 193, 205

 201, 131, 205

 205, 213, 213

 199, 111, 205

 205, 234, 232

 198, 90, 205

 205, 254, 251

 197, 70, 205

 205, 255, 251

 196, 49, 205

 205, 255, 250

 194, 29, 205

 205, 255, 248

 193, 8, 205

 205, 255, 247

 193, 0, 205

 205, 255, 246

# Harmonies

## Analogous

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



180, 178, 217



203, 172, 205



218, 168, 187

# Triad

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



203, 172, 205



178, 201, 143



128, 161, 197

# Complementary

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



203, 172, 205



172, 205, 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.



139, 171, 193



203, 172, 205



146, 185, 151

# Square

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



203, 172, 205



216, 184, 151



158, 190, 190



134, 167, 212

# Rectangle

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



203, 172, 205



222, 168, 173



158, 190, 190



130, 162, 193



# Sweetspot

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



203, 172, 205



254, 242, 255



172, 174, 205



127, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



203, 172, 205



252, 207, 255



205, 172, 191



101, 92, 102



156, 0, 166



36, 0, 38



# Inverse Universe

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



205, 172, 174



255, 207, 209



172, 195, 205



102, 92, 92



166, 0, 10

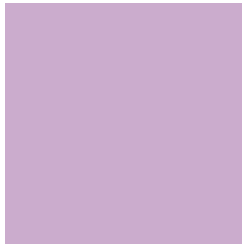


38, 0, 2



# Previews

## White Background



This preview shows how the RYB color 203, 172, 205 looks on a white background.

## Color Contrast Check

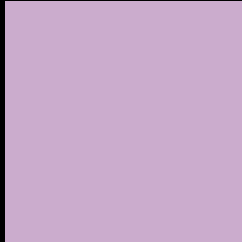
Large Text (above 18pt) WCAG AA × Fail

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 203, 172, 205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

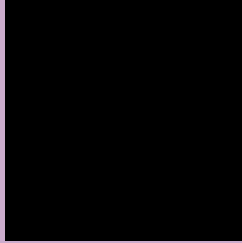
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## R Y B 203, 172, 205 Background



This preview shows how black text looks on a background with the R Y B color 203, 172, 205.



This preview shows how white text looks on a background with the R Y B color 203, 172, 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



**Original Color**  
203, 172, 205

**Protanopia**  
176, 180, 210

**Deuteranopia**  
189, 177, 204



**Tritanopia**  
201, 175, 189

# Trichromacy



**Original Color**  
203, 172, 205

**Protanomaly**  
186, 177, 208

**Deuteranomaly**  
194, 175, 204

**Tritanomaly**  
202, 174, 195

# Monochromacy



**Original Color**  
203, 172, 205

**Achromatopsia**  
185, 185, 185

**Achromatomaly**  
192, 180, 192

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 203, 172, 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(203, 172, 205) looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 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(203, 172, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 205) }
```

## Border

The CSS property to change the border of an element to RYB 203, 172, 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(203, 172, 205) }
```

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

```
.border{ border-color:rgb(203, 172, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 172, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 205);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
205) }
```

# Background

The CSS property to change the background color of an element to RGB 203, 172, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 205) }
```

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

```
.background{ background-color: rgb(203,  
172, 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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