

# Converting Colors

`RYB(204, 173, 219)`

Have a look what the booklet for RYB(204, 173, 219) contains.

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# Color

**R<sub>Y</sub>B(204, 173, 219)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCADDB
RGB	204, 173, 219
RGB Percent	80%, 68%, 86%
CMY	0.2000, 0.3216, 0.1412
CMYK	0.07, 0.21, 0.00, 0.14
HSL	280°, 39%, 77%
HSV	280°, 21%, 86%
XYZ	52.6316, 47.8390, 73.4777
YIQ	187.5130, 3.7100, 20.8780

# Conversions

## Conversions Part 2

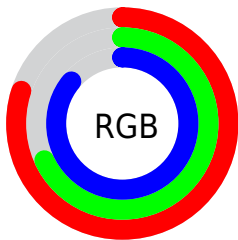
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 173, 219
Decimal	13413851
CIELab	74.72, 19.54, -19.01
CIELCh	75, 27.259, 315.791
Yxy	47.8390, 0.3026, 0.2750
Android (android.graphics.Color)	4291603931 (0xFFCCADDB)
YUV	187.5130, 15.5231, 14.4591
Hunter-Lab	69.1657, 14.7894, -14.5703

# Details

The RYB color **204, 173, 219** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **173, 219, 204**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 229, 255**, and **149, 120, 164** is the 20% darker color. If you saturate the color by 10%, you get **197, 151, 219**, and if you desaturate by 10%, it is **211, 195, 219**.

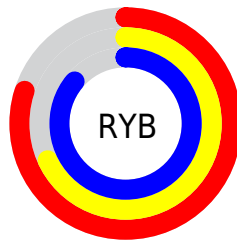
# Distribution



Red (80%)

Green (68%)

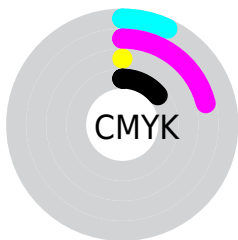
Blue (86%)



Red (80%)

Yellow (68%)

Blue (86%)

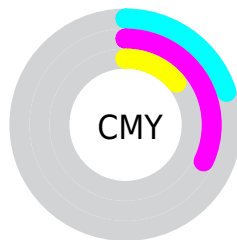


Cyan (7%)

Magenta (21%)

Yellow (0%)

Black (14%)



Cyan (20%)

Magenta (32%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 204, 173, 219 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 204, 173, 219 by changing the saturation by 10% instead.



 204, 173, 219


255, 255, 255

 255, 229, 255

 204, 173, 219


 176, 146, 191

 149, 120, 164

 123, 96, 138

 98, 72, 112


 74, 49, 88

 51, 27, 64


 29, 4, 42


 0, 1, 21


 0, 0, 0

 204, 173, 219

 204, 173, 219

 197, 151, 219

 211, 195, 219

 190, 129, 219


 218, 217, 219

 183, 107, 219


 219, 239, 233

 175, 85, 219

 219, 255, 241

 168, 64, 219

 219, 255, 234

 161, 42, 219

 219, 255, 227

 154, 20, 219

 219, 255, 220

 148, 0, 219

 219, 255, 219

# Harmonies

## Analogous

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



172, 181, 232



204, 173, 219



226, 167, 197

# Triad

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



204, 173, 219



200, 213, 136



112, 155, 198

# Complementary

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



204, 173, 219



173, 219, 204

# 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.



132, 173, 197



204, 173, 219



138, 189, 135

# Square

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



204, 173, 219



230, 177, 149



148, 193, 181



113, 159, 219

# Rectangle

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



204, 173, 219



234, 166, 180



148, 193, 181



117, 160, 198



# Sweetspot

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



204, 173, 219



250, 240, 255



173, 184, 219



125, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



204, 173, 219



234, 191, 255



219, 173, 211



106, 99, 110



117, 0, 173



31, 0, 46



# Inverse Universe

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



219, 173, 188



255, 191, 212



173, 212, 219



110, 99, 102



173, 0, 57

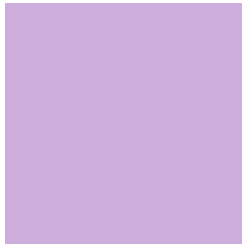


46, 0, 15



# Previews

## White Background



This preview shows how the RYB color 204, 173, 219 looks on a white background.

## Color Contrast Check

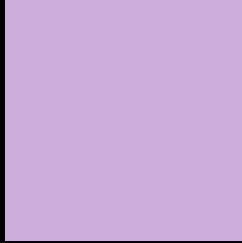
Large Text (above 18pt) WCAG AA × Fail

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 204, 173, 219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

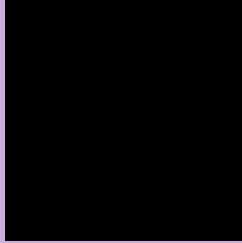
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 204, 173, 219 Background



This preview shows how black text looks on a background with the RYB color 204, 173, 219.



This preview shows how white text looks on a background with the RYB color 204, 173, 219.

# 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**  
204, 173, 219

**Protanopia**  
174, 181, 225

**Deuteranopia**  
185, 180, 218



**Tritanopia**  
200, 178, 192

# Trichromacy



**Original Color**  
204, 173, 219

**Protanomaly**  
185, 179, 223

**Deuteranomaly**  
192, 177, 218

**Tritanomaly**  
201, 176, 202

# Monochromacy



**Original Color**  
204, 173, 219

**Achromatopsia**  
188, 188, 188

**Achromatomaly**  
194, 183, 199

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 204, 173, 219 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(204, 173, 219) looks like.

```
.text, #text, p{  
    color:rgb(204, 173, 219)  
}
```

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(204, 173, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 173, 219) }
```

## Border

The CSS property to change the border of an element to RYB 204, 173, 219 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(204, 173, 219) }
```

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

```
.border{ border-color:rgb(204, 173, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 173, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 173, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 173, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 173,  
219) }
```

# Background

The CSS property to change the background color of an element to RYB 204, 173, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 173, 219) }
```

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

```
.background{ background-color: rgb(204,  
173, 219) }
```

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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