

# Converting Colors

`RYB(204, 171, 213)`

Have a look what the booklet for  
RYB(204, 171, 213) contains.

<b>RYB(204, 171, 213)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(204, 171, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCABD5
RGB	204, 171, 213
RGB Percent	80%, 67%, 84%
CMY	0.2000, 0.3294, 0.1647
CMYK	0.04, 0.20, 0.00, 0.16
HSL	287°, 33%, 75%
HSV	287°, 20%, 84%
XYZ	51.4750, 46.7673, 69.2648
YIQ	185.6550, 6.1860, 20.0580

# Conversions

## Conversions Part 2

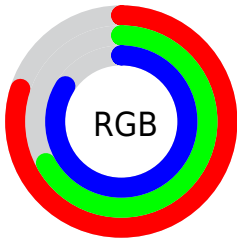
Format	Color
R <sub>YB</sub>	204, 171, 213
Decimal	13413333
CIE <sub>Lab</sub>	74.04, 19.45, -16.76
CIE <sub>LCh</sub>	74, 25.679, 319.242
Yxy	46.7673, 0.3073, 0.2792
Android (android.graphics.Color)	4291603413 (0xFFCCABD5)
YUV	185.6550, 13.4811, 16.0886
Hunter-Lab	68.3866, 14.6814, -12.1807

# Details

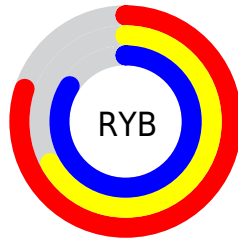
The RYB color **204, 171, 213** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **171, 213, 204**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **255, 226, 255**, and **150, 119, 158** is the 20% darker color. If you saturate the color by 10%, you get **199, 150, 213**, and if you desaturate by 10%, it is **209, 192, 213**.

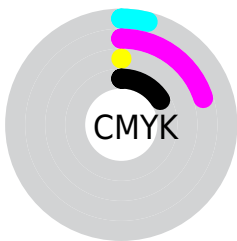
# Distribution



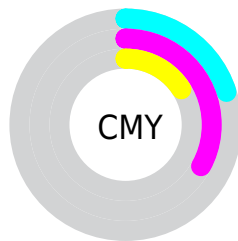
- Red (80%)
- Green (67%)
- Blue (84%)



- Red (80%)
- Yellow (67%)
- Blue (84%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)




- Cyan (20%)
- Magenta (33%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 204, 171, 213 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, 171, 213 by changing the saturation by 10% instead.




 204, 171, 213


255, 255, 255

 255, 226, 255

 204, 171, 213


 176, 144, 185

 150, 119, 158

 123, 94, 132

 98, 70, 107


 74, 47, 83

 51, 26, 59


 30, 1, 38

 0, 1, 15

 0, 0, 0

 204, 171, 213


 204, 171, 213

 199, 150, 213

 209, 192, 213

 195, 128, 213


 213, 214, 214

 190, 107, 213

 213, 235, 230

 186, 86, 213

 213, 255, 246

 181, 64, 213

 213, 255, 241

 177, 43, 213

 213, 255, 237

 172, 22, 213

 213, 255, 232

 167, 1, 213

 213, 255, 227

 167, 0, 213

 213, 255, 223

# Harmonies

## Analogous

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



174, 179, 226



204, 171, 213



224, 166, 192

# Triad

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



204, 171, 213



185, 207, 136



115, 155, 197

# Complementary

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



204, 171, 213



171, 213, 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.



131, 170, 195



204, 171, 213



137, 185, 138

# Square

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



204, 171, 213



224, 180, 147



151, 191, 185



118, 160, 217

# Rectangle

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



204, 171, 213



230, 165, 175



151, 191, 185



118, 158, 195



# Sweetspot

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



204, 171, 213



252, 240, 255



171, 178, 213



126, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



204, 171, 213



242, 194, 255



213, 171, 201



105, 96, 107



134, 0, 171



34, 0, 43



# Inverse Universe

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



213, 171, 180



255, 194, 207



171, 204, 213



107, 96, 99



171, 0, 37

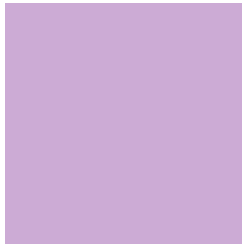


43, 0, 9



# Previews

## White Background



This preview shows how the RYB color 204, 171, 213 looks on a white background.

## Color Contrast Check

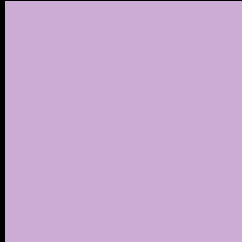
Large Text (above 18pt) WCAG AA × Fail

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, 171, 213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

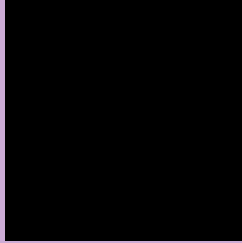
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 204, 171, 213 Background



This preview shows how black text looks on a background with the RYB color 204, 171, 213.



This preview shows how white text looks on a background with the RYB color 204, 171, 213.

# 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, 171, 213](#)

**Protanopia**  
[174, 180, 219](#)

**Deuteranopia**  
[186, 178, 212](#)



**Tritanopia**  
200, 175, 189

# Trichromacy



**Original Color**  
204, 171, 213

**Protanomaly**  
185, 177, 217

**Deuteranomaly**  
193, 175, 212

**Tritanomaly**  
201, 174, 198

# Monochromacy



**Original Color**  
204, 171, 213

**Achromatopsia**  
186, 186, 186

**Achromatomaly**  
193, 181, 196

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 204, 171, 213 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, 171, 213) looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 213)  
}
```

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, 171, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 213) }
```

## Border

The CSS property to change the border of an element to RYB 204, 171, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

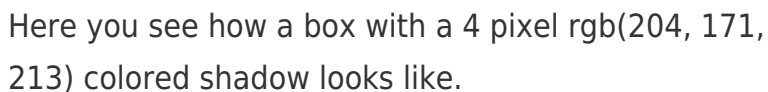
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 171, 213) }
```

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

```
.border{ border-color:rgb(204, 171, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 171, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 213);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
213) }
```

# Background

The CSS property to change the background color of an element to RGB 204, 171, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 213) }
```

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

```
.background{ background-color: rgb(204,  
171, 213) }
```

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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