

# Converting Colors

`RYB(210, 176, 213)`

Have a look what the booklet for  
RYB(210, 176, 213) contains.

<b>RYB(210, 176, 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(210, 176, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2B0D5
RGB	210, 176, 213
RGB Percent	82%, 69%, 84%
CMY	0.1765, 0.3098, 0.1647
CMYK	0.01, 0.17, 0.00, 0.16
HSL	295°, 31%, 76%
HSV	295°, 17%, 84%
XYZ	54.1139, 49.5564, 69.6640
YIQ	190.3840, 8.3870, 18.7150

# Conversions

## Conversions Part 2

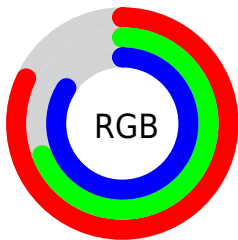
Format	Color
R <sub>Y</sub> B	210, 176, 213
Decimal	13807829
CIE Lab	75.80, 18.73, -14.07
CIE LCh	76, 23.428, 323.095
Yxy	49.5564, 0.3122, 0.2859
Android (android.graphics.Color)	4291997909 (0xFFD2B0D5)
YUV	190.3840, 11.1497, 17.2032
Hunter-Lab	70.3963, 14.0201, -9.3958

# Details

The RYB color **210, 176, 213** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **176, 213, 210**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **255, 232, 255**, and **155, 123, 158** is the 20% darker color. If you saturate the color by 10%, you get **208, 155, 213**, and if you desaturate by 10%, it is **212, 197, 213**.

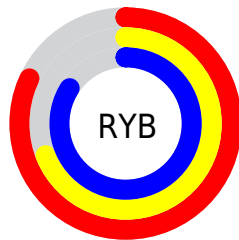
# Distribution



Red (82%)

Green (69%)

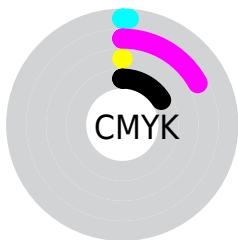
Blue (84%)



Red (82%)

Yellow (69%)

Blue (84%)

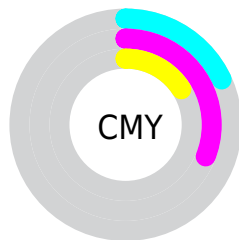


Cyan (1%)

Magenta (17%)

Yellow (0%)

Black (16%)



Cyan (18%)

Magenta (31%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 210, 176, 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 210, 176, 213 by changing the saturation by 10% instead.





 210, 176, 213

255, 255, 255

 255, 232, 255

 210, 176, 213

 182, 149, 185

 155, 123, 158

 129, 98, 132

 104, 74, 107

 79, 51, 83


 56, 29, 59

 34, 7, 38


 0, 0, 16


 0, 0, 0

 210, 176, 213

 210, 176, 213

 208, 155, 213


 212, 197, 213

 207, 133, 213


 213, 219, 219

 205, 112, 213

 213, 240, 238

 203, 91, 213


 213, 255, 251

 201, 70, 213

 213, 255, 249

 200, 48, 213

 213, 255, 248

 198, 27, 213

 213, 255, 246

 196, 6, 213

 213, 255, 244

 196, 0, 213

 213, 255, 242

# Harmonies

## Analogous

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



184, 183, 226



210, 176, 213



227, 172, 193

# Triad

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



210, 176, 213



182, 208, 144



126, 163, 203

# Complementary

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



210, 176, 213



176, 213, 210

# 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.



138, 174, 199



210, 176, 213



147, 191, 153

# Square

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



210, 176, 213



224, 189, 153



160, 196, 195



132, 169, 221

# Rectangle

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



210, 176, 213



231, 171, 178



160, 196, 195



129, 165, 199



# Sweetspot

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



210, 176, 213



254, 242, 255



176, 179, 213



127, 120, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



210, 176, 213



251, 201, 255



213, 176, 198



106, 96, 107



157, 0, 171



40, 0, 43



# Inverse Universe

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



213, 176, 179



255, 201, 206



176, 202, 213



107, 96, 97



171, 0, 14



43, 0, 4



# Previews

## White Background



This preview shows how the RYB color 210, 176, 213 looks on a white background.

## Color Contrast Check

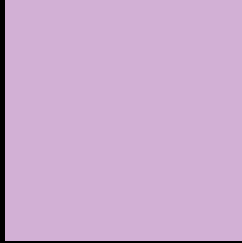
Large Text (above 18pt) WCAG AA × Fail

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 210, 176, 213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

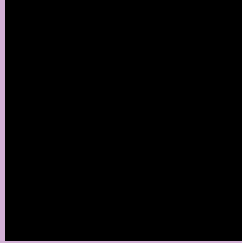
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 210, 176, 213 Background**



This preview shows how black text looks on a background with the RYB color 210, 176, 213.

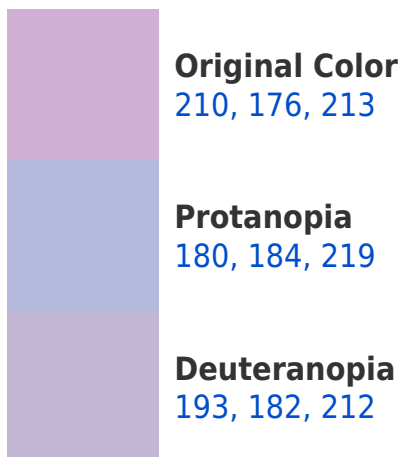


This preview shows how white text looks on a background with the RYB color 210, 176, 213.

# 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





**Tritanopia**  
207, 179, 193

# Trichromacy



**Original Color**  
210, 176, 213

**Protanomaly**  
191, 182, 217

**Deuteranomaly**  
199, 180, 212

**Tritanomaly**  
208, 178, 200

# Monochromacy



**Original Color**  
210, 176, 213

**Achromatopsia**  
190, 190, 190

**Achromatomaly**  
197, 185, 198

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 210, 176, 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(210, 176, 213) looks like.

```
.text, #text, p{  
    color:rgb(210, 176, 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(210, 176, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 176, 213) }
```

## Border

The CSS property to change the border of an element to RYB 210, 176, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

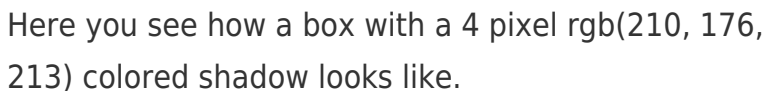
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 176, 213) }
```

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

```
.border{ border-color:rgb(210, 176, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(210, 176, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 176, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 176, 213);  
box-shadow:4px 4px 4px 4px rgb(210, 176,  
213) }
```

# Background

The CSS property to change the background color of an element to RGB 210, 176, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 176, 213) }
```

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

```
.background{ background-color: rgb(210,  
176, 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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor