

# Converting Colors

`RYB(213, 209, 225)`

Have a look what the booklet for RYB(213, 209, 225) contains.

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# Color

**R<sub>Y</sub>B(213, 209, 225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5D1E1
RGB	213, 209, 225
RGB Percent	84%, 82%, 88%
CMY	0.1647, 0.1804, 0.1176
CMYK	0.05, 0.07, 0.00, 0.12
HSL	255°, 21%, 85%
HSV	255°, 7%, 88%
XYZ	63.8316, 65.1833, 80.4515
YIQ	212.0200, -2.7520, 5.8240

# Conversions

## Conversions Part 2

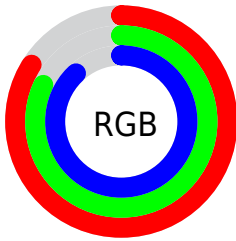
Format	Color
R <sub>Y</sub> B	213, 209, 225
Decimal	14012897
CIE Lab	84.58, 4.33, -7.40
CIE LCh	85, 8.575, 300.361
Yxy	65.1833, 0.3047, 0.3112
Android (android.graphics.Color)	4292202977 (0xFFD5D1E1)
YUV	212.0200, 6.3991, 0.8595
Hunter-Lab	80.7362, -0.1626, -2.5656

# Details

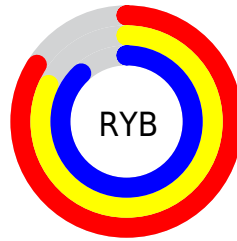
The RYB color **213, 209, 225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **209, 225, 213**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **255, 255, 255**, and **158, 155, 170** is the 20% darker color. If you saturate the color by 10%, you get **196, 187, 225**, and if you desaturate by 10%, it is **225, 232, 227**.

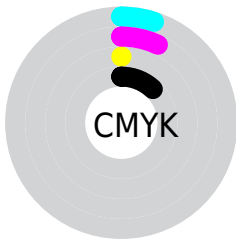
# Distribution



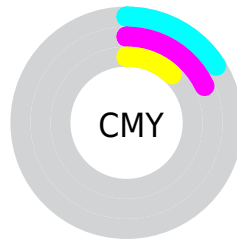
- Red (84%)
- Green (82%)
- Blue (88%)



- Red (84%)
- Yellow (82%)
- Blue (88%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (16%)
- Magenta (18%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 213, 209, 225 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 213, 209, 225 by changing the saturation by 10% instead.



■ 213, 209, 225

255, 255, 255

■ 213, 209, 225

■ 185, 181, 197

■ 158, 155, 170

■ 132, 129, 143

■ 107, 104, 118

■ 83, 80, 93

■ 60, 57, 69


■ 38, 35, 47

■ 18, 14, 26

■ 0, 0, 0

 213, 209, 225


 213, 209, 225

 196, 187, 225


 225, 232, 227

 179, 164, 225

 225, 254, 232

 162, 141, 225

 225, 255, 225


 146, 119, 225

 129, 97, 225

 112, 74, 225

 95, 51, 225

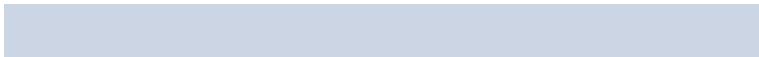
 78, 29, 225

 61, 6, 225

# Harmonies

## Analogous

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



203, 210, 227



213, 209, 225



222, 207, 219

# Triad

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



213, 209, 225



225, 215, 197



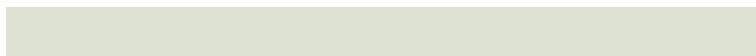
193, 206, 216

# Complementary

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



213, 209, 225



209, 225, 213

# 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.



200, 213, 215



213, 209, 225



205, 218, 195

# Square

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



213, 209, 225



229, 206, 203



197, 213, 201



191, 204, 219

# Rectangle

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



213, 209, 225



226, 206, 214



197, 213, 201



195, 208, 216



# Sweetspot

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



213, 209, 225



251, 250, 255



209, 216, 225



126, 125, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



213, 209, 225



238, 232, 255



221, 209, 225



104, 101, 112



44, 0, 176



12, 0, 48



# Inverse Universe

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



225, 209, 221



255, 232, 249



209, 225, 221



112, 101, 109



176, 0, 132

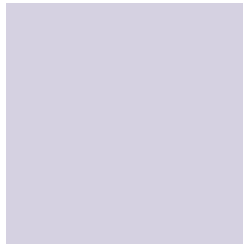


48, 0, 36



# Previews

## White Background



This preview shows how the RYB color 213, 209, 225 looks on a white background.

## Color Contrast Check

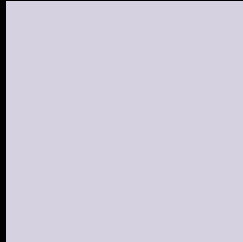
Large Text (above 18pt) WCAG AA × Fail

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 213, 209, 225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

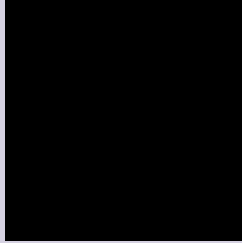
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

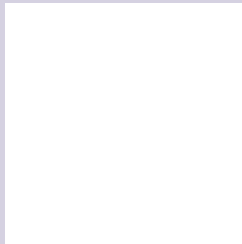
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R/Y/B 213, 209, 225 Background



This preview shows how black text looks on a background with the R/Y/B color 213, 209, 225.

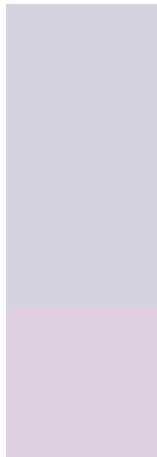


This preview shows how white text looks on a background with the R/Y/B color 213, 209, 225.

# 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**  
[213](#), [209](#), [225](#)

**Protanopia**  
[211](#), [210](#), [225](#)

**Deuteranopia**  
[225](#), [205](#), [226](#)



**Tritanopia**  
213, 209, 225

# Trichromacy



**Original Color**  
213, 209, 225

**Protanomaly**  
212, 210, 225

**Deuteranomaly**  
221, 206, 226

**Tritanomaly**  
213, 209, 225

# Monochromacy



**Original Color**  
213, 209, 225

**Achromatopsia**  
212, 212, 212

**Achromatomaly**  
212, 211, 217

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 213, 209, 225 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(213, 209, 225) looks like.

```
.text, #text, p{  
    color:rgb(213, 209, 225)  
}
```

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(213, 209, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 209, 225) }
```

## Border

The CSS property to change the border of an element to RYB 213, 209, 225 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(213, 209, 225) }
```

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

```
.border{ border-color:rgb(213, 209, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 209, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 209, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 209, 225);  
box-shadow:4px 4px 4px 4px rgb(213, 209,  
225) }
```

# Background

The CSS property to change the background color of an element to RYB 213, 209, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 209, 225) }
```

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

```
.background{ background-color: rgb(213,  
209, 225) }
```

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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