

# Converting Colors

`RYB(219, 219, 217)`

Have a look what the booklet for  
RYB(219, 219, 217) contains.

<b>RYB(219, 219, 217)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	22
<b><i>Color Blindness Simulation</i></b> .....	25
<b><i>CSS Examples</i></b> .....	28

# **Color**

**R<sub>Y</sub>B(219, 219, 217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDAD9
RGB	219, 218, 217
RGB Percent	86%, 85%, 85%
CMY	0.1412, 0.1451, 0.1490
CMYK	0.00, 0.00, 0.01, 0.14
HSL	30°, 3%, 85%
HSV	30°, 1%, 86%
XYZ	66.8092, 70.2126, 75.6768
YIQ	218.1850, 0.9170, -0.0990

# Conversions

## Conversions Part 2

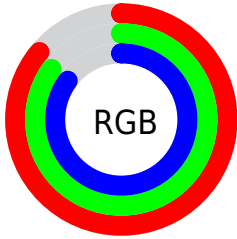
Format	Color
R <sub>Y</sub> B	219, 219, 217
Decimal	14408409
CIE Lab	87.10, 0.16, 0.60
CIE LCh	87, 0.623, 74.679
Yxy	70.2126, 0.3141, 0.3301
Android (android.graphics.Color)	4292598489 (0xFFDBDAD9)
YUV	218.1850, -0.5842, 0.7148
Hunter-Lab	83.7930, -4.3174, 5.1079

# Details

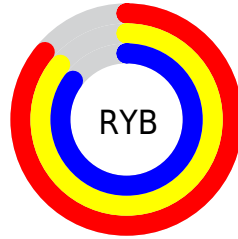
The RYB color **219, 219, 217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **217, 218, 219**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is 255, 255, 255, and **164, 164, 162** is the 20% darker color. If you saturate the color by 10%, you get **219, 219, 195**, and if you desaturate by 10%, it is **219, 226, 239**.

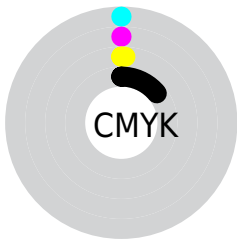
# Distribution



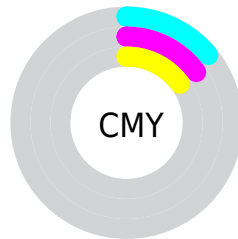
- Red (86%)
- Green (85%)
- Blue (85%)



- Red (86%)
- Yellow (86%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 219, 219, 217 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 219, 219, 217 by changing the saturation by 10% instead.



■ 219, 219, 217

255, 255, 255

■ 219, 219, 217

■ 191, 191, 189

■ 164, 164, 162

■ 138, 138, 136

■ 111, 112, 111

■ 88, 88, 86

■ 65, 65, 63

■ 43, 43, 41

■ 21, 22, 21

■ 0, 0, 0

 219, 219, 217

 219, 219, 217

 219, 219, 195

 219, 226, 239

 219, 219, 173

 219, 232, 255

 219, 219, 151

 219, 236, 255

 219, 219, 129

 219, 237, 255

 219, 217, 108

 219, 217, 86

 219, 217, 64

 219, 217, 42

 219, 217, 20

# Harmonies

## Analogous

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



219, 219, 217



217, 218, 217

# Triad

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



219, 219, 217



217, 218, 219



219, 218, 219

# Complementary

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



219, 219, 217



217, 218, 219

# 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.



218, 218, 219



219, 219, 217



217, 218, 219

# Square

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



219, 219, 217



217, 218, 218



217, 218, 219



219, 218, 218

# Rectangle

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



219, 219, 217



217, 218, 217



217, 218, 219



218, 218, 219



# Sweetspot

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



219, 219, 217

255, 255, 255



219, 217, 218



128, 128, 128



0, 0, 0

# Same Dimension

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



219, 219, 217



254, 255, 252



217, 219, 217



110, 109, 109



171, 173, 0



46, 46, 0



# Inverse Universe

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



217, 218, 219



252, 253, 255



217, 217, 219



109, 109, 110



0, 58, 173

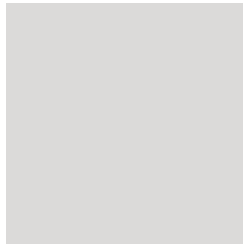


0, 15, 46



# Previews

## White Background



This preview shows how the RYB color 219, 219, 217 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 219, 219, 217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

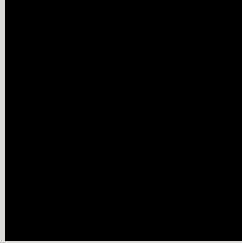
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

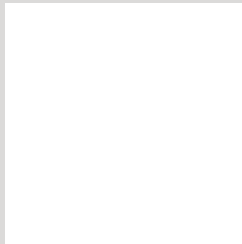
Any Text WCAG AAA ✓ Pass

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

## **R Y B 219, 219, 217 Background**



This preview shows how black text looks on a background with the RYB color 219, 219, 217.



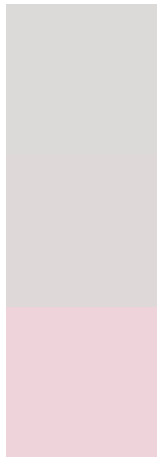
This preview shows how white text looks on a background with the RYB color 219, 219, 217.



# 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](#).

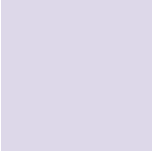
## Dichromacy



**Original Color**  
219, 219, 217

**Protanopia**  
222, 217, 216

**Deuteranopia**  
239, 211, 218



**Tritanopia**  
221, 216, 233

# Trichromacy



**Original Color**

219, 219, 217

**Protanomaly**

221, 217, 216

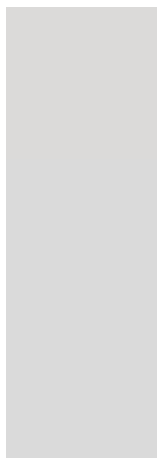
**Deuteranomaly**

232, 214, 218

**Tritanomaly**

220, 217, 227

# Monochromacy



**Original Color**

219, 219, 217

**Achromatopsia**

218, 218, 218

**Achromatomaly**

218, 218, 218

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 219, 219, 217 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(219, 218, 217) looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 217)  
}
```

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(219, 218, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 217) }
```

## Border

The CSS property to change the border of an element to RYB 219, 219, 217 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(219, 218, 217) }
```

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

```
.border{ border-color:rgb(219, 218, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 218, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 217);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
217) }
```

# Background

The CSS property to change the background color of an element to RGB 219, 219, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 217) }
```

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

```
.background{ background-color: rgb(219,  
218, 217) }
```

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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