

Converting Colors

`RYB(218, 218, 216)`

Have a look what the booklet for
RYB(218, 218, 216) contains.

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Color

R_YB(218, 218, 216)

Conversions

Conversions Part 1

Format	Color
Hex	DAD9D8
RGB	218, 217, 216
RGB Percent	85%, 85%, 85%
CMY	0.1451, 0.1490, 0.1529
CMYK	0.00, 0.00, 0.01, 0.15
HSL	30°, 3%, 85%
HSV	30°, 1%, 85%
XYZ	66.1210, 69.4890, 74.8935
YIQ	217.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

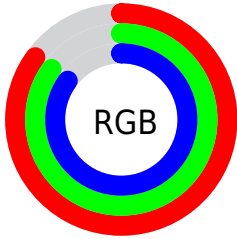
Format	Color
RYB	218, 218, 216
Decimal	14342616
CIELab	86.75, 0.16, 0.60
CIELCh	87, 0.624, 74.681
Yxy	69.4890, 0.3141, 0.3301
Android (android.graphics.Color)	4292532696 (0xFFDAD9D8)
YUV	217.1850, -0.5842, 0.7148
Hunter-Lab	83.3601, -4.2944, 5.0839

Details

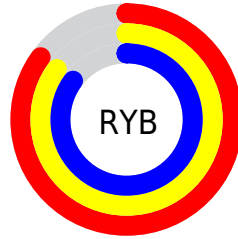
The RYB color **218, 218, 216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **216, 217, 218**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **255, 255, 255**, and **163, 163, 161** is the 20% darker color. If you saturate the color by 10%, you get **218, 218, 194**, and if you desaturate by 10%, it is **218, 225, 238**.

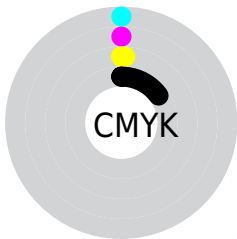
Distribution



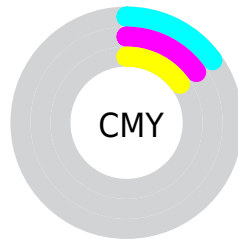
- Red (85%)
- Green (85%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 218, 216 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 218, 218, 216 by changing the saturation by 10% instead.

■ 218, 218, 216

255, 255, 255

■ 218, 218, 216

■ 190, 190, 188

■ 163, 163, 161

■ 137, 137, 135

■ 112, 112, 110

■ 87, 87, 85

■ 64, 64, 62

■ 42, 42, 40

■ 22, 22, 20

■ 0, 0, 0

 218, 218, 216

 218, 218, 216

 218, 218, 194

 218, 225, 238

 218, 218, 172

 218, 231, 255

 218, 216, 151

 218, 235, 255

 218, 216, 129

 218, 237, 255

 216, 218, 107

 216, 218, 85

 216, 218, 63

 218, 218, 42

 218, 218, 20

Harmonies

Analogous

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



218, 218, 216



216, 217, 216

Triad

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



218, 218, 216



216, 217, 218



218, 217, 218

Complementary

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



218, 218, 216



216, 217, 218

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.



217, 217, 218



218, 218, 216



216, 217, 218

Square

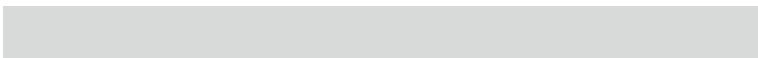
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



218, 218, 216



216, 217, 217



216, 217, 218



218, 217, 217

Rectangle

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



218, 218, 216



216, 217, 216



216, 217, 218



217, 217, 218

Sweetspot

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



218, 218, 216

255, 255, 255



218, 216, 217



128, 128, 128



0, 0, 0

Same Dimension

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



218, 218, 216



254, 255, 252



216, 218, 216



110, 109, 109



171, 173, 0



46, 46, 0

Inverse Universe

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



216, 217, 218



252, 253, 255



216, 216, 218



109, 109, 110



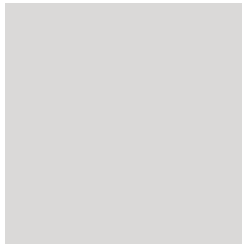
0, 58, 173



0, 15, 46

Previews

White Background



This preview shows how the RYB color 218, 218, 216 looks on a white background.

Color Contrast Check

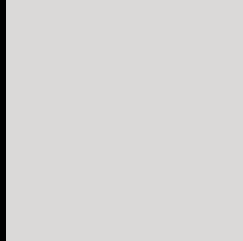
Large Text (above 18pt) WCAG AA × Fail

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 218, 218, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

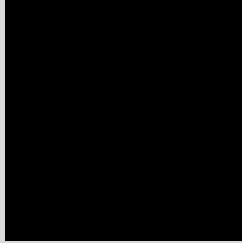
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

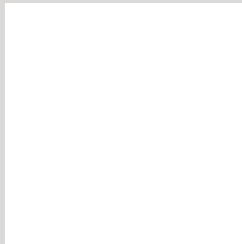
Any Text WCAG AAA ✓ Pass

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

RYB 218, 218, 216 Background



This preview shows how black text looks on a background with the RYB color 218, 218, 216.

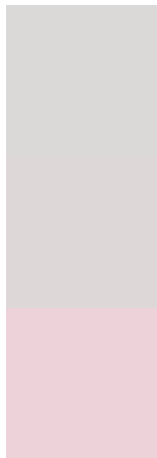


This preview shows how white text looks on a background with the RYB color 218, 218, 216.

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](#).

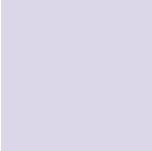
Dichromacy



Original Color
218, 218, 216

Protanopia
221, 216, 215

Deuteranopia
238, 210, 217



Tritanopia
220, 215, 232

Trichromacy



Original Color

218, 218, 216

Protanomaly

220, 216, 215

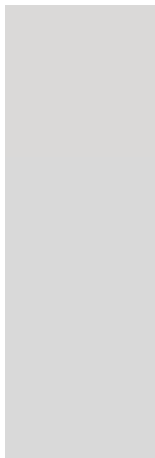
Deuteranomaly

231, 213, 217

Tritanomaly

219, 216, 226

Monochromacy



Original Color

218, 218, 216

Achromatopsia

217, 217, 217

Achromatomaly

217, 217, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 218, 216 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(218, 217, 216) looks like.

```
.text, #text, p{  
    color:rgb(218, 217, 216)  
}
```

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(218, 217, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 217, 216) }
```

Border

The CSS property to change the border of an element to RYB 218, 218, 216 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(218, 217, 216) }
```

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

```
.border{ border-color:rgb(218, 217, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 217, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 217, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 217, 216);  
box-shadow:4px 4px 4px 4px rgb(218, 217,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 218, 218, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 217, 216) }
```

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

```
.background{ background-color: rgb(218,  
217, 216) }
```

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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