

Converting Colors

`RYB(219, 213, 216)`

Have a look what the booklet for
RYB(219, 213, 216) contains.

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Color

R_YB(219, 213, 216)

Conversions

Conversions Part 1

Format	Color
Hex	DBD5D8
RGB	219, 213, 216
RGB Percent	86%, 84%, 85%
CMY	0.1412, 0.1647, 0.1529
CMYK	0.00, 0.03, 0.01, 0.14
HSL	330°, 8%, 85%
HSV	330°, 3%, 86%
XYZ	65.4023, 67.6064, 74.5680
YIQ	215.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

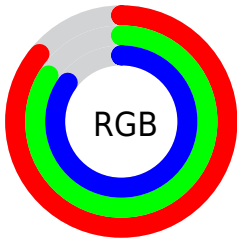
Format	Color
R _{YB}	219, 213, 216
Decimal	14407128
CIE Lab	85.81, 2.59, -0.76
CIE LCh	86, 2.698, 343.713
Yxy	67.6064, 0.3151, 0.3257
Android (android.graphics.Color)	4292597208 (0xFFD8D5D8)
YUV	215.1360, 0.4260, 3.3887
Hunter-Lab	82.2231, -1.9071, 3.7862

Details

The RYB color **219, 213, 216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **213, 217, 219**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **255, 255, 255**, and **164, 158, 161** is the 20% darker color. If you saturate the color by 10%, you get **219, 191, 205**, and if you desaturate by 10%, it is **219, 230, 235**.

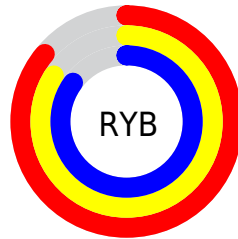
Distribution



Red (86%)

Green (84%)

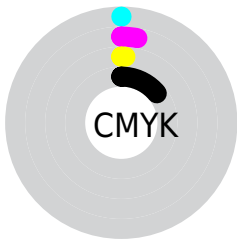
Blue (85%)



Red (86%)

Yellow (84%)

Blue (85%)

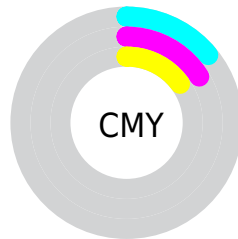


Cyan (0%)

Magenta (3%)

Yellow (1%)

Black (14%)



Cyan (14%)

Magenta (16%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 219, 213, 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 219, 213, 216 by changing the saturation by 10% instead.

■ 219, 213, 216

255, 255, 255

■ 219, 213, 216

■ 191, 185, 188

■ 164, 158, 161

■ 138, 132, 135

■ 112, 107, 110

■ 88, 83, 85

■ 65, 60, 62


■ 43, 38, 40

■ 22, 18, 20


■ 0, 0, 0

 219, 213, 216

 219, 213, 216

 219, 191, 205


 219, 230, 235

 219, 169, 194

 219, 243, 255

 219, 147, 183

 219, 239, 255

 219, 125, 172

 219, 237, 255

 219, 104, 161

 219, 82, 150

 219, 60, 139

 219, 38, 128

 219, 16, 117

Harmonies

Analogous

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



217, 214, 218



219, 213, 216



220, 213, 213

Triad

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



219, 213, 216



211, 216, 210



209, 213, 218

Complementary

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



219, 213, 216



213, 217, 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.



209, 213, 216



219, 213, 216



211, 215, 214

Square

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



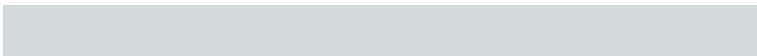
219, 213, 216



218, 218, 210



210, 214, 216



211, 214, 219

Rectangle

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



219, 213, 216



220, 213, 212



210, 214, 216



209, 213, 217

Sweetspot

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



219, 213, 216



255, 252, 254



216, 213, 219



128, 126, 127



0, 0, 0



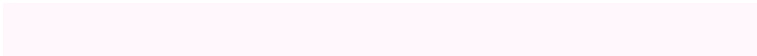
128, 128, 128

Same Dimension

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



219, 213, 216



255, 247, 251



219, 213, 213



110, 105, 107



173, 0, 87



46, 0, 23

Inverse Universe

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



219, 213, 216



255, 247, 251



213, 216, 219



110, 105, 107



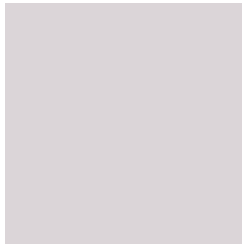
173, 0, 87



46, 0, 23

Previews

White Background



This preview shows how the RYB color 219, 213, 216 looks on a white background.

Color Contrast Check

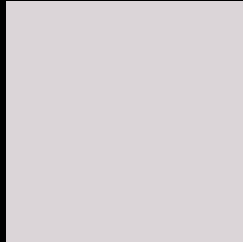
Large Text (above 18pt) WCAG AA × Fail

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 219, 213, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

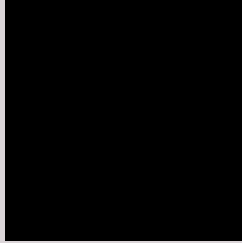
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

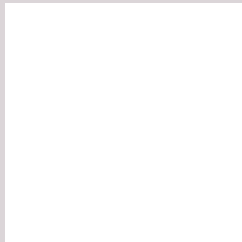
Any Text WCAG AAA ✓ Pass

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

RYB 219, 213, 216 Background



This preview shows how black text looks on a background with the RYB color 219, 213, 216.

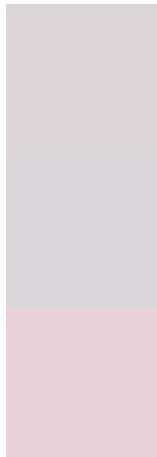


This preview shows how white text looks on a background with the RYB color 219, 213, 216.

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](#).

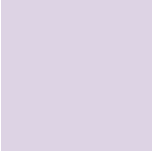
Dichromacy



Original Color
[219, 213, 216](#)

Protanopia
[218, 213, 216](#)

Deuteranopia
[234, 208, 217](#)



Tritanopia

221, 211, 228

Trichromacy



Original Color

219, 213, 216

Protanomaly

218, 213, 216

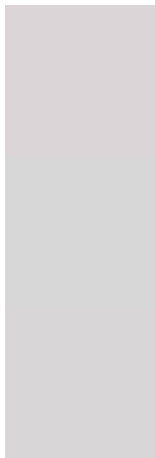
Deuteranomaly

229, 210, 217

Tritanomaly

220, 212, 224

Monochromacy



Original Color

219, 213, 216

Achromatopsia

215, 215, 215

Achromatomaly

216, 214, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 219, 213, 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(219, 213, 216) looks like.

```
.text, #text, p{  
    color:rgb(219, 213, 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(219, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 213, 216) }
```

Border

The CSS property to change the border of an element to RYB 219, 213, 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(219, 213, 216) }
```

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

```
.border{ border-color:rgb(219, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(219, 213,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 219, 213, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 213, 216) }
```

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

```
.background{ background-color: rgb(219,  
213, 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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