

Converting Colors

`RYB(220, 218, 213)`

Have a look what the booklet for
RYB(220, 218, 213) contains.

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Color

R_YB(220, 218, 213)

Conversions

Conversions Part 1

Format	Color
Hex	DCD8D5
RGB	220, 216, 213
RGB Percent	86%, 85%, 84%
CMY	0.1373, 0.1533, 0.1647
CMYK	0.00, 0.02, 0.03, 0.14
HSL	25°, 9%, 85%
HSV	25°, 3%, 86%
XYZ	66.0600, 69.0888, 72.8045
YIQ	216.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

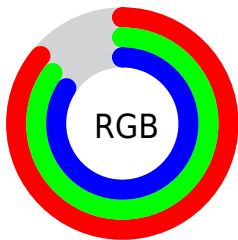
Format	Color
RYB	220, 218, 213
Decimal	14473429
CIELab	86.55, 0.88, 1.92
CIELCh	87, 2.110, 65.342
Yxy	69.0888, 0.3177, 0.3322
Android (android.graphics.Color)	4292663509 (0xFFD8D5)
YUV	216.8540, -1.9000, 2.7590
Hunter-Lab	83.1197, -3.5952, 6.2516

Details

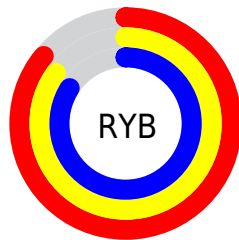
The RYB color **220, 218, 213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **213, 216, 220**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **255, 255, 255**, and **165, 163, 158** is the 20% darker color. If you saturate the color by 10%, you get **220, 211, 191**, and if you desaturate by 10%, it is **220, 226, 235**.

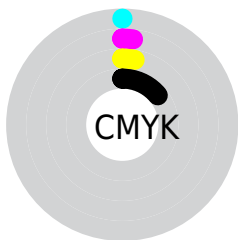
Distribution



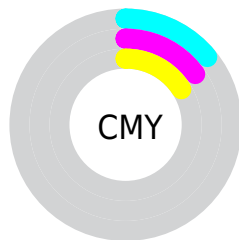
- Red (86%)
- Green (85%)
- Blue (84%)



- Red (86%)
- Yellow (85%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 218, 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 220, 218, 213 by changing the saturation by 10% instead.

■ 220, 218, 213

255, 255, 255

■ 220, 218, 213

■ 192, 190, 185

■ 165, 163, 158

■ 139, 137, 132

■ 113, 113, 107

■ 89, 86, 83

■ 65, 63, 60

■ 43, 41, 38

■ 23, 21, 18

■ 0, 0, 0

 220, 218, 213


 220, 218, 213

 220, 211, 191


 220, 226, 235

 220, 205, 169


 220, 234, 255

 220, 198, 147


 220, 237, 255


 220, 194, 125


 220, 238, 255

 220, 187, 103

 220, 181, 81

 220, 174, 59

 220, 167, 37

 220, 160, 15

Harmonies

Analogous

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



221, 215, 214



220, 218, 213



214, 218, 213

Triad

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



220, 218, 213



212, 215, 218



218, 216, 220

Complementary

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



220, 218, 213



213, 216, 220

Split Complementary

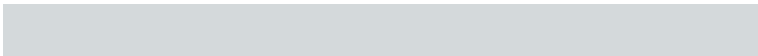
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



215, 217, 221



220, 218, 213



212, 215, 219

Square

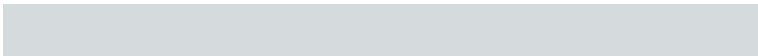
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



220, 218, 213



213, 217, 218



213, 216, 220



220, 215, 218

Rectangle

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



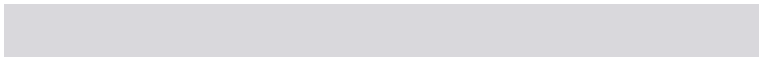
220, 218, 213



213, 217, 214



213, 216, 220



217, 216, 220

Sweetspot

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



220, 218, 213



254, 255, 252



220, 213, 217



128, 128, 126



0, 0, 0



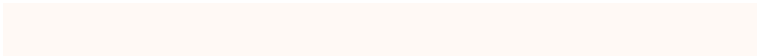
128, 128, 128

Same Dimension

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



220, 218, 213



255, 252, 245



214, 220, 213



110, 107, 104



173, 123, 0



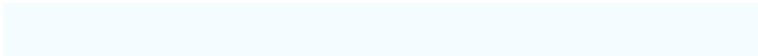
46, 32, 0

Inverse Universe

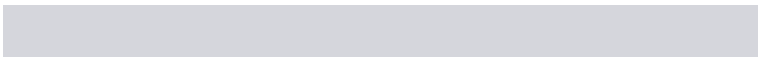
The Inverse Universe completely reimagines the original color for something new.



213, 216, 220



245, 249, 255



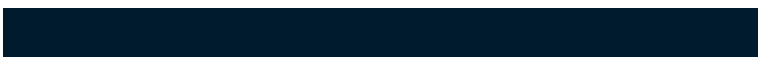
213, 214, 220



104, 106, 110



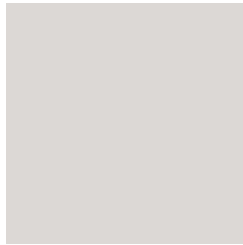
0, 64, 173



0, 17, 46

Previews

White Background



This preview shows how the RYB color 220, 218, 213 looks on a white background.

Color Contrast Check

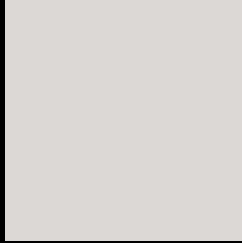
Large Text (above 18pt) WCAG AA × Fail

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 220, 218, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

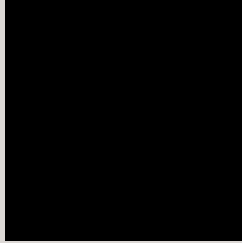
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

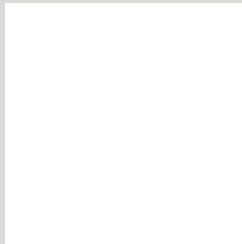
Any Text WCAG AAA ✓ Pass

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

RYB 220, 218, 213 Background



This preview shows how black text looks on a background with the RYB color 220, 218, 213.

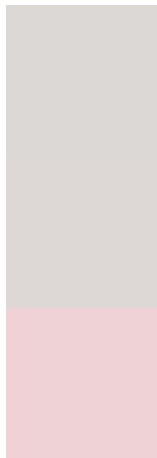


This preview shows how white text looks on a background with the RYB color 220, 218, 213.

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



Original Color
220, 218, 213

Protanopia
221, 218, 213

Deuteranopia
238, 210, 214



Tritanopia
223, 213, 230

Trichromacy



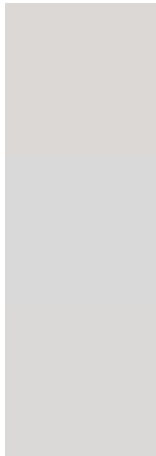
Original Color
220, 218, 213

Protanomaly
221, 218, 213

Deuteranomaly
231, 212, 214

Tritanomaly
222, 214, 224

Monochromacy



Original Color
220, 218, 213

Achromatopsia
217, 217, 217

Achromatomaly
218, 218, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 218, 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(220, 216, 213) looks like.

```
.text, #text, p{  
    color:rgb(220, 216, 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(220, 216, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 216, 213) }
```

Border

The CSS property to change the border of an element to RYB 220, 218, 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(220, 216, 213) }
```

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

```
.border{ border-color:rgb(220, 216, 213) }
```

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

Here you see how a box with a 4 pixel rgb(220, 216, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 216, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 216, 213);  
box-shadow:4px 4px 4px 4px rgb(220, 216,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 220, 218, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 216, 213) }
```

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

```
.background{ background-color: rgb(220,  
216, 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](#).

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