

Converting Colors

`RYB(222, 213, 212)`

Have a look what the booklet for
RYB(222, 213, 212) contains.

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Color

$\text{RYB}(222, 213, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	DED5D4
RGB	222, 213, 212
RGB Percent	87%, 84%, 83%
CMY	0.1294, 0.1651, 0.1686
CMYK	0.00, 0.04, 0.05, 0.13
HSL	5°, 13%, 85%
HSV	5°, 5%, 87%
XYZ	65.7793, 67.8258, 71.9121
YIQ	215.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

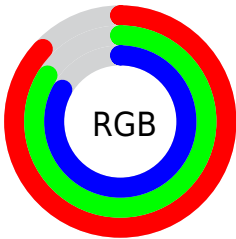
Format	Color
R _Y B	222, 213, 212
Decimal	14603732
CIE Lab	85.92, 2.96, 1.55
CIE LCh	86, 3.344, 27.642
Yxy	67.8258, 0.3201, 0.3300
Android (android.graphics.Color)	4292793812 (0xFFDED5D4)
YUV	215.5770, -1.7635, 5.6330
Hunter-Lab	82.3564, -1.5533, 5.8786

Details

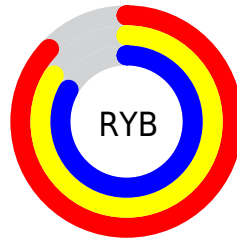
The RYB color **222, 213, 212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 217, 222**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is 255, 255, 255, and **167, 158, 157** is the 20% darker color. If you saturate the color by 10%, you get **222, 193, 190**, and if you desaturate by 10%, it is **222, 228, 234**.

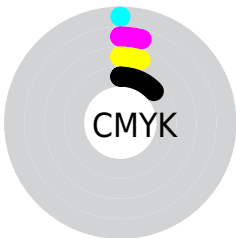
Distribution



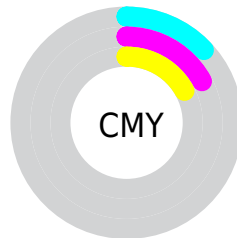
- Red (87%)
- Green (84%)
- Blue (83%)



- Red (87%)
- Yellow (84%)
- Blue (83%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (13%)



- Cyan (13%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 213, 212 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 222, 213, 212 by changing the saturation by 10% instead.

■ 222, 213, 212

255, 255, 255

■ 222, 213, 212

■ 194, 185, 184

■ 167, 158, 157

■ 141, 132, 131

■ 115, 107, 106

■ 90, 83, 82

■ 67, 60, 59


■ 45, 38, 37

■ 25, 17, 17


■ 0, 0, 0

 222, 213, 212


 222, 213, 212

 222, 193, 190


 222, 228, 234


 222, 174, 168

 222, 238, 255

 222, 153, 145

 222, 239, 255

 222, 133, 123

 222, 113, 101

 222, 93, 79

 222, 74, 57

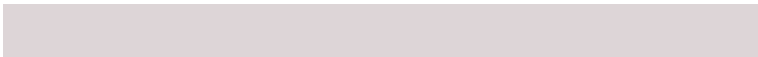
 222, 53, 34

 222, 33, 12

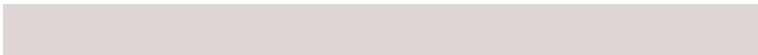
Harmonies

Analogous

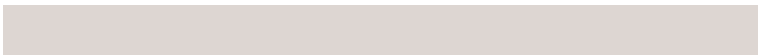
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



221, 213, 215



222, 213, 212



221, 216, 210

Triad

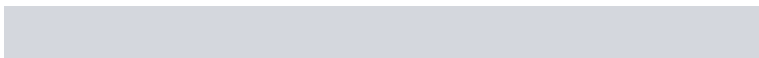
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



222, 213, 212



211, 216, 216



212, 214, 221

Complementary

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



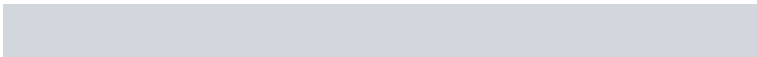
222, 213, 212



212, 217, 222

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, 220



222, 213, 212



208, 213, 217

Square

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



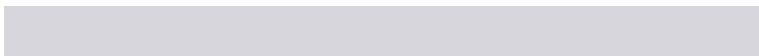
222, 213, 212



209, 216, 211



207, 212, 218



215, 214, 220

Rectangle

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



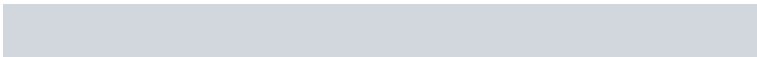
222, 213, 212



219, 219, 209



207, 212, 218



210, 213, 221

Sweetspot

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



222, 213, 212



255, 254, 252



222, 212, 221



128, 126, 126



0, 0, 0



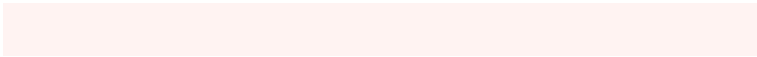
128, 128, 128

Same Dimension

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



222, 213, 212



255, 243, 242



219, 222, 212



112, 106, 105



176, 18, 0



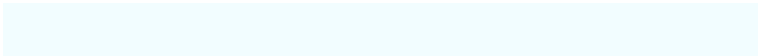
48, 4, 0

Inverse Universe

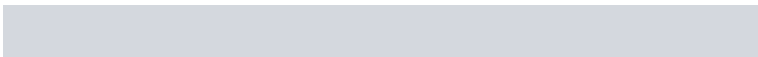
The Inverse Universe completely reimagines the original color for something new.



212, 217, 222



242, 248, 255



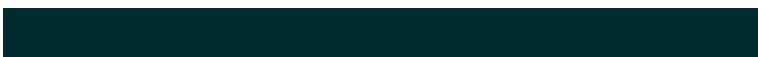
212, 215, 222



105, 109, 112



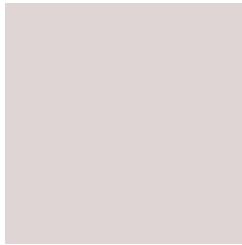
0, 84, 176



0, 23, 48

Previews

White Background



This preview shows how the RYB color 222, 213, 212 looks on a white background.

Color Contrast Check

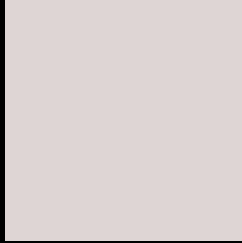
Large Text (above 18pt) WCAG AA × Fail

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 222, 213, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

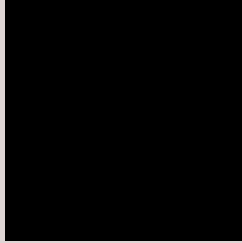
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

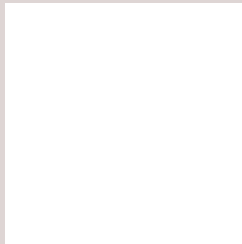
Any Text WCAG AAA ✓ Pass

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

RYB 222, 213, 212 Background



This preview shows how black text looks on a background with the RYB color 222, 213, 212.

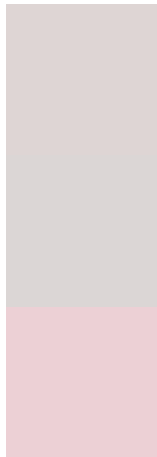


This preview shows how white text looks on a background with the RYB color 222, 213, 212.

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](#).

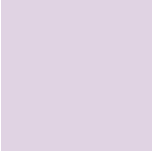
Dichromacy



Original Color
[222](#), [213](#), [212](#)

Protanopia
[219](#), [214](#), [213](#)

Deuteranopia
[236](#), [208](#), [213](#)



Tritanopia
224, 211, 227

Trichromacy



Original Color

222, 213, 212

Protanomaly

220, 214, 213

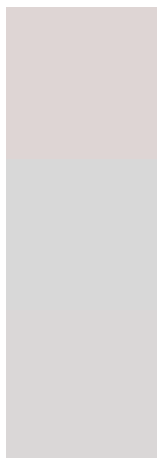
Deuteranomaly

231, 210, 213

Tritanomaly

223, 212, 222

Monochromacy



Original Color

222, 213, 212

Achromatopsia

216, 216, 216

Achromatomaly

218, 215, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 213, 212 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(222, 213, 212) looks like.

```
.text, #text, p{  
    color:rgb(222, 213, 212)  
}
```

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(222, 213, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 213, 212) }
```

Border

The CSS property to change the border of an element to RYB 222, 213, 212 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(222, 213, 212) }
```

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

```
.border{ border-color:rgb(222, 213, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 213, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 213, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 213, 212);  
box-shadow:4px 4px 4px 4px rgb(222, 213,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 222, 213, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 213, 212) }
```

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

```
.background{ background-color: rgb(222,  
213, 212) }
```

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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