

Converting Colors

`RYB(228, 221, 218)`

Have a look what the booklet for RYB(228, 221, 218) contains.

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Color

R_YB(228, 221, 218)

Conversions

Conversions Part 1

Format	Color
Hex	E4DCDA
RGB	228, 220, 218
RGB Percent	89%, 86%, 85%
CMY	0.1059, 0.1360, 0.1451
CMYK	0.00, 0.03, 0.04, 0.11
HSL	14°, 16%, 87%
HSV	14°, 4%, 89%
XYZ	70.3238, 72.9040, 76.6951
YIQ	222.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

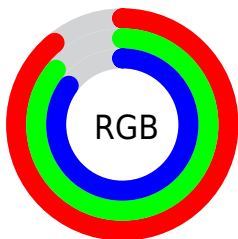
Format	Color
R _Y B	228, 221, 218
Decimal	14998746
CIE Lab	88.40, 2.22, 2.05
CIE LCh	88, 3.024, 42.754
Yxy	72.9040, 0.3198, 0.3315
Android (android.graphics.Color)	4293188826 (0xFFE4DCDA)
YUV	222.1640, -2.0529, 5.1182
Hunter-Lab	85.3838, -2.4056, 6.5121

Details

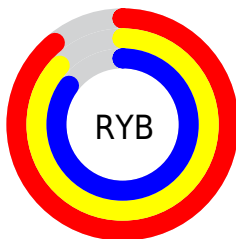
The RYB color **228, 221, 218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **218, 222, 228**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 166, 163** is the 20% darker color. If you saturate the color by 10%, you get **228, 206, 195**, and if you desaturate by 10%, it is **228, 234, 241**.

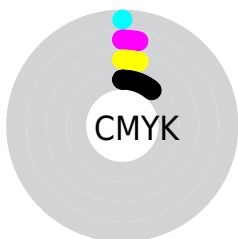
Distribution



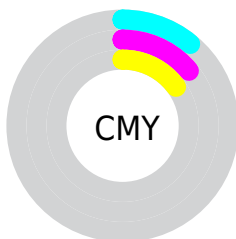
- Red (89%)
- Green (86%)
- Blue (85%)



- Red (89%)
- Yellow (87%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 221, 218 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 228, 221, 218 by changing the saturation by 10% instead.

■ 228, 221, 218

255, 255, 255

■ 228, 221, 218

■ 200, 193, 190

■ 173, 166, 163

■ 146, 140, 137

■ 120, 115, 112

■ 96, 90, 87

■ 72, 67, 64

■ 49, 45, 42

■ 28, 23, 22

■ 0, 0, 0

 228, 221, 218

 228, 221, 218

 228, 206, 195

 228, 234, 241

 228, 189, 172

 228, 242, 255

 228, 173, 150

 228, 157, 127

 228, 142, 104

 228, 125, 81

 228, 110, 58

 228, 93, 36

 228, 76, 13

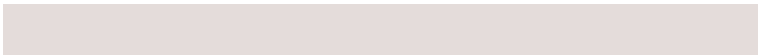
Harmonies

Analogous

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



228, 220, 221



228, 221, 218



226, 226, 216

Triad

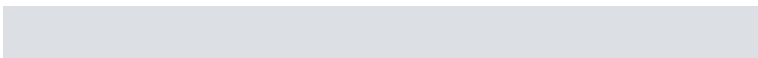
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 221, 218



217, 221, 223



220, 222, 227

Complementary

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



228, 221, 218



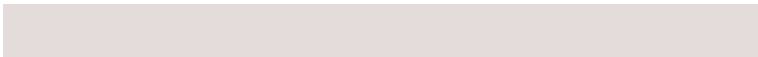
218, 222, 228

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, 221, 227



228, 221, 218



215, 220, 224

Square

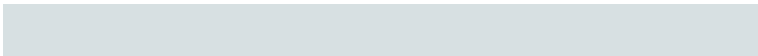
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



228, 221, 218



218, 223, 221



215, 220, 226



224, 221, 226

Rectangle

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



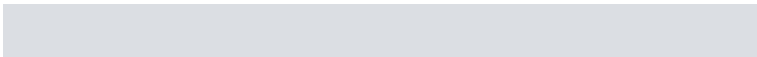
228, 221, 218



219, 224, 216



215, 220, 226



219, 221, 227

Sweetspot

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



228, 221, 218



255, 254, 252



228, 218, 226



128, 128, 126



0, 0, 0



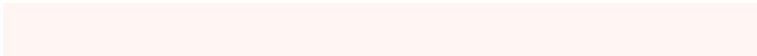
128, 128, 128

Same Dimension

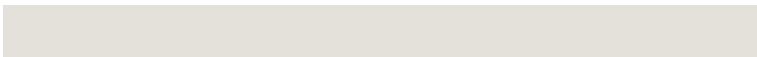
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 221, 218



255, 246, 242



222, 228, 218



115, 109, 108



179, 53, 0



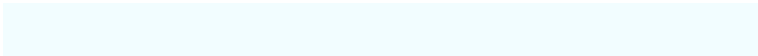
51, 16, 0

Inverse Universe

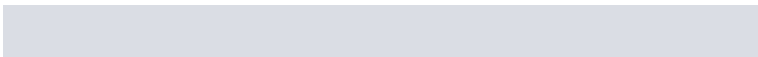
The Inverse Universe completely reimagines the original color for something new.



218, 222, 228



242, 248, 255



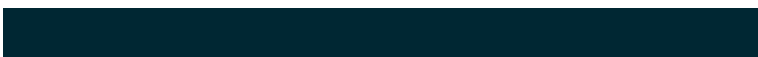
218, 220, 228



108, 111, 115



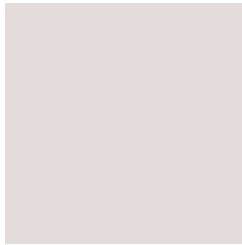
0, 78, 179



0, 22, 51

Previews

White Background



This preview shows how the RYB color 228, 221, 218 looks on a white background.

Color Contrast Check

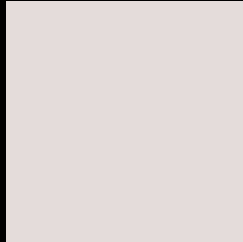
Large Text (above 18pt) WCAG AA × Fail

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 228, 221, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

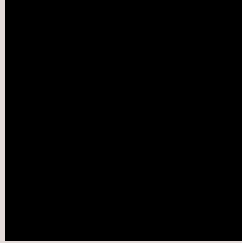
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

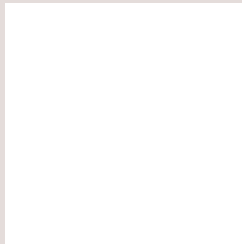
Any Text WCAG AAA ✓ Pass

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

RYB 228, 221, 218 Background



This preview shows how black text looks on a background with the RYB color 228, 221, 218.



This preview shows how white text looks on a background with the RYB color 228, 221, 218.

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 228, 221, 218
	Protanopia 226, 223, 218
	Deuteranopia 244, 215, 219



Tritanopia
230, 218, 235

Trichromacy



Original Color

228, 221, 218

Protanomaly

227, 223, 218

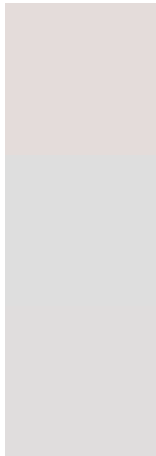
Deuteranomaly

238, 217, 219

Tritanomaly

229, 219, 229

Monochromacy



Original Color

228, 221, 218

Achromatopsia

222, 222, 222

Achromatomaly

224, 221, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 221, 218 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(228, 220, 218) looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 218)  
}
```

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(228, 220, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 218) }
```

Border

The CSS property to change the border of an element to RYB 228, 221, 218 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(228, 220, 218) }
```

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

```
.border{ border-color:rgb(228, 220, 218) }
```

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

Here you see how a box with a 4 pixel rgb(228, 220, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 220, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 220, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 220,  
218) }
```

Background

The CSS property to change the background color of an element to RYB 228, 220, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 218) }
```

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

```
.background{ background-color: rgb(228,  
220, 218) }
```

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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