

Converting Colors

`RYB(228, 216, 214)`

Have a look what the booklet for RYB(228, 216, 214) contains.

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Color

R_YB(228, 216, 214)

Conversions

Conversions Part 1

Format	Color
Hex	E4D8D6
RGB	228, 216, 214
RGB Percent	89%, 85%, 84%
CMY	0.1059, 0.1539, 0.1608
CMYK	0.00, 0.05, 0.06, 0.11
HSL	7°, 21%, 87%
HSV	7°, 6%, 89%
XYZ	68.6244, 70.3327, 73.5770
YIQ	219.3600, 7.7940, 1.9220

Conversions

Conversions Part 2

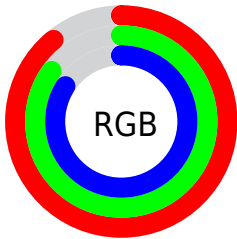
Format	Color
R _Y B	228, 216, 214
Decimal	14997718
CIE Lab	87.16, 3.90, 2.36
CIE LCh	87, 4.558, 31.128
Yxy	70.3327, 0.3229, 0.3309
Android (android.graphics.Color)	4293187798 (0xFFE4D8D6)
YUV	219.3600, -2.6425, 7.5773
Hunter-Lab	83.8646, -0.7009, 6.6883

Details

The RYB color **228, 216, 214** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **214, 220, 228**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 161, 159** is the 20% darker color. If you saturate the color by 10%, you get **228, 197, 191**, and if you desaturate by 10%, it is **228, 232, 237**.

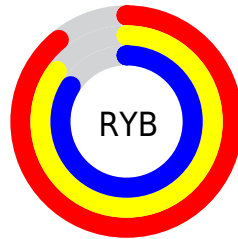
Distribution



Red (89%)

Green (85%)

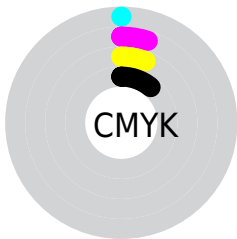
Blue (84%)



Red (89%)

Yellow (85%)

Blue (84%)

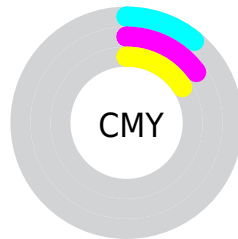


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (11%)



Cyan (11%)

Magenta (15%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 216, 214 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, 216, 214 by changing the saturation by 10% instead.

■ 228, 216, 214

255, 255, 255

■ 228, 216, 214

■ 200, 188, 186

■ 173, 161, 159

■ 146, 135, 133

■ 120, 110, 108

■ 95, 85, 84

■ 72, 62, 61

■ 49, 40, 39

■ 28, 21, 18

■ 0, 0, 0

228, 216, 214

228, 216, 214

228, 197, 191

228, 232, 237

228, 177, 168

228, 242, 255

228, 157, 146

228, 138, 123

228, 118, 100

228, 99, 77

228, 79, 54

228, 59, 32

228, 40, 9

Harmonies

Analogous

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



227, 216, 218



228, 216, 214



226, 221, 211

Triad

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



228, 216, 214



212, 219, 221



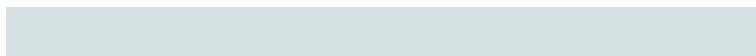
214, 218, 227

Complementary

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



228, 216, 214



214, 220, 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.



210, 216, 226



228, 216, 214



209, 216, 221

Square

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



228, 216, 214



211, 219, 213



208, 215, 223



220, 217, 226

Rectangle

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



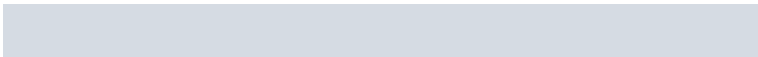
228, 216, 214



221, 224, 210



208, 215, 223



213, 217, 227

Sweetspot

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



228, 216, 214



255, 251, 250



228, 214, 226



128, 125, 125



0, 0, 0



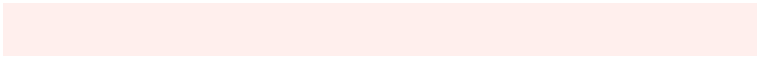
128, 128, 128

Same Dimension

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



228, 216, 214



255, 239, 237



222, 228, 214



115, 107, 106



179, 25, 0



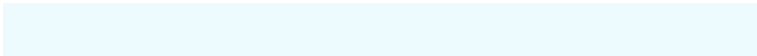
51, 7, 0

Inverse Universe

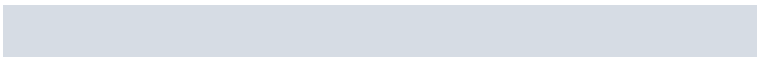
The Inverse Universe completely reimagines the original color for something new.



214, 220, 228



237, 245, 255



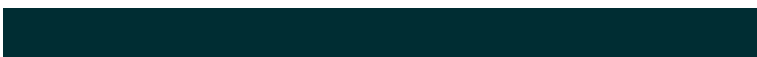
214, 218, 228



106, 110, 115



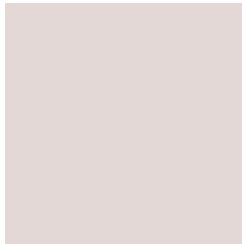
0, 83, 179



0, 24, 51

Previews

White Background



This preview shows how the RYB color 228, 216, 214 looks on a white background.

Color Contrast Check

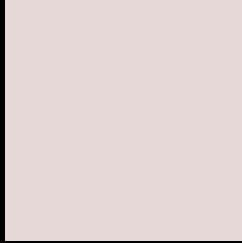
Large Text (above 18pt) WCAG AA × Fail

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, 216, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

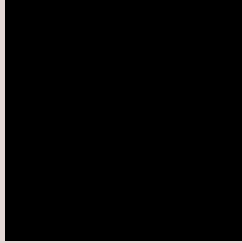
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

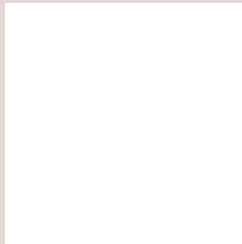
Any Text WCAG AAA ✓ Pass

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

R Y B 228, 216, 214 Background



This preview shows how black text looks on a background with the RYB color 228, 216, 214.



This preview shows how white text looks on a background with the RYB color 228, 216, 214.

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, 216, 214

Protanopia
223, 218, 215

Deuteranopia
241, 211, 215



Tritanopia
230, 213, 230

Trichromacy



Original Color

228, 216, 214

Protanomaly

225, 218, 215

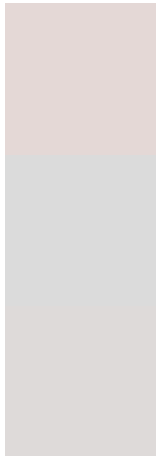
Deuteranomaly

236, 213, 215

Tritanomaly

229, 214, 224

Monochromacy



Original Color

228, 216, 214

Achromatopsia

219, 219, 219

Achromatomaly

222, 218, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 216, 214 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, 216, 214) looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 214)  
}
```

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, 216, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 214) }
```

Border

The CSS property to change the border of an element to RYB 228, 216, 214 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, 216, 214) }
```

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

```
.border{ border-color:rgb(228, 216, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 216, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 214);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 228, 216, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 214) }
```

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

```
.background{ background-color: rgb(228,  
216, 214) }
```

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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