

Converting Colors

`RYB(217, 230, 212)`

Have a look what the booklet for
RYB(217, 230, 212) contains.

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Color

$\text{RYB}(217, 230, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	E6E2D4
RGB	230, 226, 212
RGB Percent	90%, 89%, 83%
CMY	0.0980, 0.1134, 0.1686
CMYK	0.00, 0.02, 0.08, 0.10
HSL	47°, 26%, 87%
HSV	47°, 8%, 90%
XYZ	71.7368, 76.0165, 73.1791
YIQ	225.6000, 6.8780, -3.5060

Conversions

Conversions Part 2

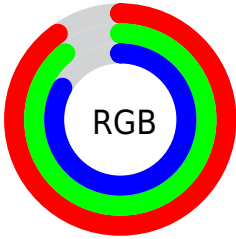
Format	Color
R_{YB}	217, 230, 212
Decimal	15131348
CIE Lab	89.87, -1.09, 7.34
CIE LCh	90, 7.421, 98.415
Yxy	76.0165, 0.3247, 0.3441
Android (android.graphics.Color)	4293321428 (0xFFE6E2D4)
YUV	225.6000, -6.7048, 3.8588
Hunter-Lab	87.1874, -5.7103, 11.2673

Details

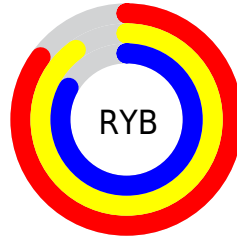
The RYB color **217, 230, 212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 215, 230**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 174, 157** is the 20% darker color. If you saturate the color by 10%, you get **201, 230, 189**, and if you desaturate by 10%, it is **230, 231, 235**.

Distribution



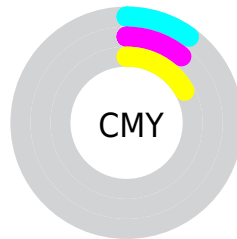
- Red (90%)
- Green (89%)
- Blue (83%)



- Red (85%)
- Yellow (90%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 230, 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 217, 230, 212 by changing the saturation by 10% instead.

■ 217, 230, 212

255, 255, 255

■ 217, 230, 212

■ 189, 202, 184

■ 161, 174, 157

■ 136, 148, 131

■ 110, 122, 106

■ 86, 97, 82

■ 63, 73, 59


■ 41, 51, 37

■ 21, 30, 17

■ 0, 0, 0

 217, 230, 212

 217, 230, 212

 201, 230, 189

 230, 231, 235

 184, 230, 166

 230, 235, 255

 167, 230, 143

 230, 238, 255

 151, 230, 120


 230, 240, 255

 134, 230, 97

 230, 241, 255

 117, 230, 74

 230, 243, 255

 101, 230, 51

 84, 230, 28

 68, 230, 5

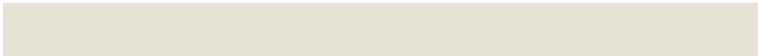
Harmonies

Analogous

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



237, 233, 213



217, 230, 212



215, 228, 221

Triad

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



217, 230, 212



209, 220, 234



237, 222, 231

Complementary

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



217, 230, 212



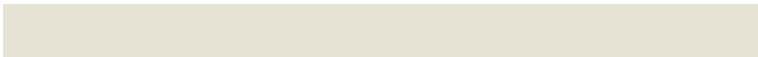
212, 215, 230

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.



230, 224, 237



217, 230, 212



214, 223, 239

Square

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



217, 230, 212



210, 221, 230



221, 225, 240



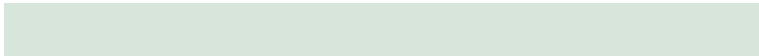
241, 221, 224

Rectangle

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



217, 230, 212



216, 227, 229



221, 225, 240



235, 222, 234

Sweetspot

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



217, 230, 212



251, 255, 250



230, 212, 216



127, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



217, 230, 212



238, 255, 232



212, 230, 217



107, 115, 103



50, 179, 0



14, 51, 0

Inverse Universe

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



212, 215, 230



232, 236, 255



217, 212, 230



103, 105, 115



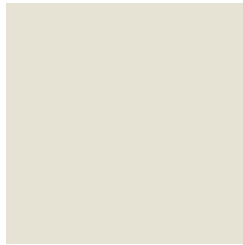
0, 32, 179



0, 9, 51

Previews

White Background



This preview shows how the RYB color 217, 230, 212 looks on a white background.

Color Contrast Check

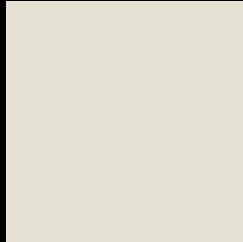
Large Text (above 18pt) WCAG AA × Fail

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 217, 230, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

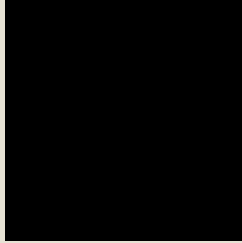
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

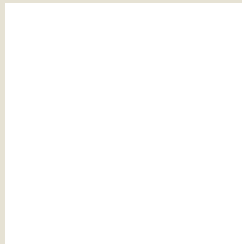
Any Text WCAG AAA ✓ Pass

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

RYB 217, 230, 212 Background



This preview shows how black text looks on a background with the RYB color 217, 230, 212.



This preview shows how white text looks on a background with the RYB color 217, 230, 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 217 , 230 , 212
	Protanopia 224 , 233 , 211
	Deuteranopia 252 , 218 , 214



Tritanopia
234, 222, 239

Trichromacy



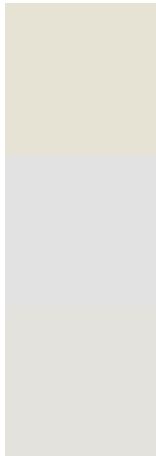
Original Color
217, 230, 212

Protanomaly
222, 232, 211

Deuteranomaly
244, 224, 213

Tritanomaly
233, 223, 229

Monochromacy



Original Color
217, 230, 212

Achromatopsia
226, 226, 226

Achromatomaly
222, 227, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 230, 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(230, 226, 212) looks like.

```
.text, #text, p{  
    color:rgb(230, 226, 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(230, 226, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 226, 212) }
```

Border

The CSS property to change the border of an element to RYB 217, 230, 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(230, 226, 212) }
```

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

```
.border{ border-color:rgb(230, 226, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 226, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 226, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 226, 212);  
box-shadow:4px 4px 4px 4px rgb(230, 226,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 230, 226, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 226, 212) }
```

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

```
.background{ background-color: rgb(230,  
226, 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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