

Converting Colors

`RYB(216, 231, 208)`

Have a look what the booklet for
RYB(216, 231, 208) contains.

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Color

R_YB(216, 231, 208)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1D0
RGB	231, 225, 208
RGB Percent	91%, 88%, 82%
CMY	0.0941, 0.1174, 0.1843
CMYK	0.00, 0.03, 0.10, 0.09
HSL	45°, 32%, 86%
HSV	45°, 10%, 91%
XYZ	71.2828, 75.4283, 70.4766
YIQ	224.8560, 9.0330, -4.0150

Conversions

Conversions Part 2

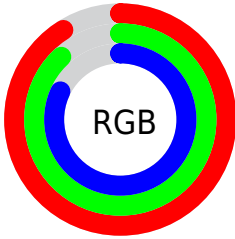
Format	Color
RYB	216, 231, 208
Decimal	15196624
CIELab	89.59, -0.87, 9.05
CIElCh	90, 9.094, 95.479
Yxy	75.4283, 0.3282, 0.3473
Android (android.graphics.Color)	4293386704 (0xFFE7E1D0)
YUV	224.8560, -8.3100, 5.3883
Hunter-Lab	86.8495, -5.4804, 12.6820

Details

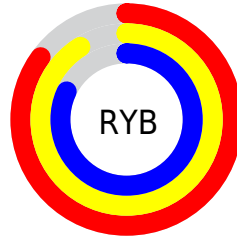
The RYB color **216, 231, 208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **208, 213, 231**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 175, 154** is the 20% darker color. If you saturate the color by 10%, you get **201, 231, 185**, and if you desaturate by 10%, it is **231, 231, 231**.

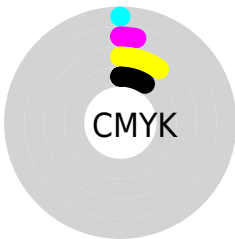
Distribution



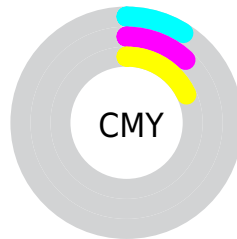
- Red (91%)
- Green (88%)
- Blue (82%)



- Red (85%)
- Yellow (91%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 231, 208 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 216, 231, 208 by changing the saturation by 10% instead.

■ 216, 231, 208

255, 255, 255

■ 216, 231, 208

■ 188, 203, 180

■ 161, 175, 154

■ 136, 149, 128

■ 110, 123, 103

■ 86, 98, 79

■ 61, 74, 56


■ 39, 51, 34


■ 17, 30, 13

■ 0, 0, 0

 216, 231, 208

 216, 231, 208

 201, 231, 185

 231, 231, 231

 186, 231, 162

 231, 236, 254

 171, 231, 139

 231, 239, 255


 157, 231, 116

 231, 241, 255


 142, 231, 93

 231, 243, 255

 126, 231, 69

 111, 231, 46

 96, 231, 23

 81, 231, 0

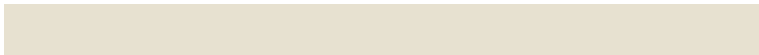
Harmonies

Analogous

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



239, 230, 210



216, 231, 208



211, 228, 218

Triad

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



216, 231, 208



204, 218, 235



238, 220, 233

Complementary

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



216, 231, 208



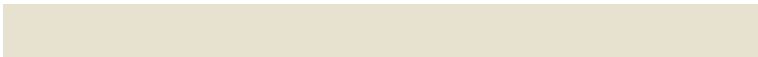
208, 213, 231

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.



229, 223, 239



216, 231, 208



209, 221, 241

Square

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



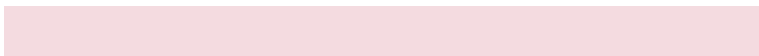
216, 231, 208



205, 219, 231



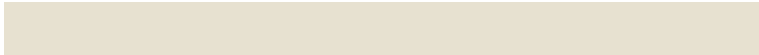
218, 223, 242



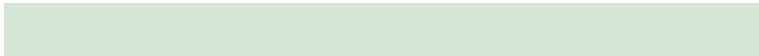
244, 219, 224

Rectangle

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



216, 231, 208



214, 228, 229



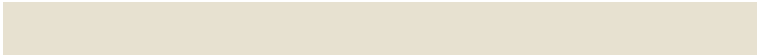
218, 223, 242



236, 221, 235

Sweetspot

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



216, 231, 208



250, 255, 247



231, 208, 214



125, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



216, 231, 208



235, 255, 224



208, 231, 213



107, 115, 103



64, 179, 0



17, 51, 0

Inverse Universe

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



208, 213, 231



224, 230, 255



213, 208, 231



103, 105, 115



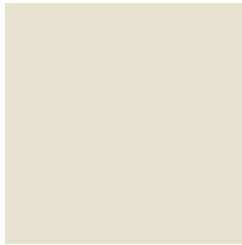
0, 37, 179



0, 10, 51

Previews

White Background



This preview shows how the RYB color 216, 231, 208 looks on a white background.

Color Contrast Check

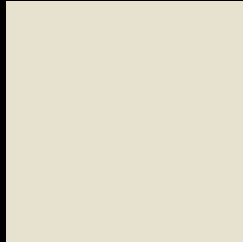
Large Text (above 18pt) WCAG AA × Fail

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 216, 231, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

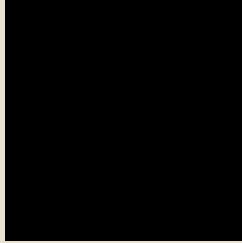
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

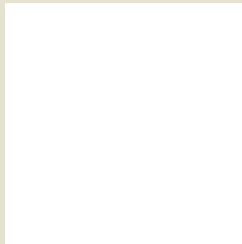
Any Text WCAG AAA ✓ Pass

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

RYB 216, 231, 208 Background



This preview shows how black text looks on a background with the RYB color 216, 231, 208.

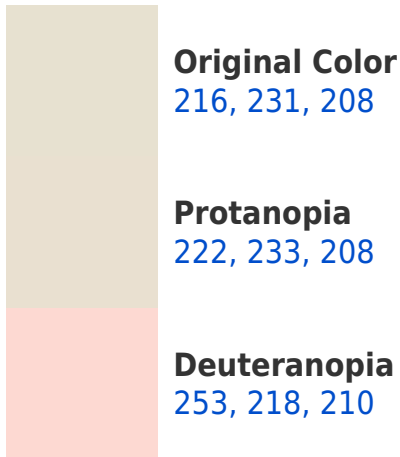


This preview shows how white text looks on a background with the RYB color 216, 231, 208.

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

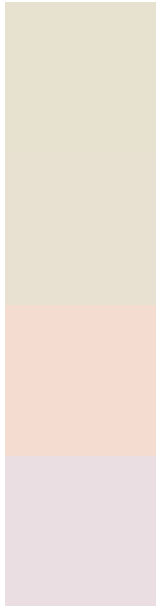




Tritanopia

235, 221, 238

Trichromacy



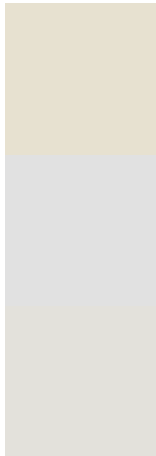
Original Color
216, 231, 208

Protanomaly
220, 232, 208

Deuteranomaly
245, 225, 209

Tritanomaly
234, 222, 227

Monochromacy



Original Color
216, 231, 208

Achromatopsia
225, 225, 225

Achromatomaly
222, 227, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 231, 208 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(231, 225, 208) looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 208)  
}
```

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(231, 225, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 208) }
```

Border

The CSS property to change the border of an element to RYB 216, 231, 208 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(231, 225, 208) }
```

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

```
.border{ border-color:rgb(231, 225, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 225, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 208);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
208) }
```

Background

The CSS property to change the background color of an element to RYB 216, 231, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 208) }
```

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

```
.background{ background-color: rgb(231,  
225, 208) }
```

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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