

Converting Colors

`RYB(216, 231, 222)`

Have a look what the booklet for
RYB(216, 231, 222) contains.

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Color

R_YB(216, 231, 222)

Conversions

Conversions Part 1

Format	Color
Hex	E1E7D8
RGB	225, 231, 216
RGB Percent	88%, 91%, 85%
CMY	0.1176, 0.0941, 0.1529
CMYK	0.03, 0.00, 0.06, 0.09
HSL	84°, 24%, 88%
HSV	84°, 6%, 91%
XYZ	72.0219, 78.1172, 76.2479
YIQ	227.4960, 1.2390, -5.9370

Conversions

Conversions Part 2

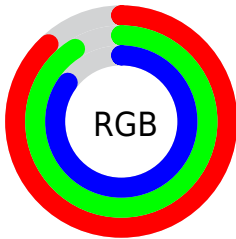
Format	Color
R_{YB}	216, 231, 222
Decimal	14804952
CIE Lab	90.83, -4.65, 6.59
CIE LCh	91, 8.066, 125.196
Yxy	78.1172, 0.3181, 0.3451
Android (android.graphics.Color)	4292995032 (0xFFE1E7D8)
YUV	227.4960, -5.6675, -2.1890
Hunter-Lab	88.3840, -9.2167, 10.7199

Details

The RYB color **216, 231, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 216, 231**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 175, 166** is the 20% darker color. If you saturate the color by 10%, you get **193, 231, 208**, and if you desaturate by 10%, it is **234, 231, 239**.

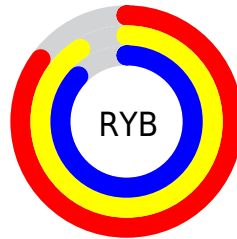
Distribution



Red (88%)

Green (91%)

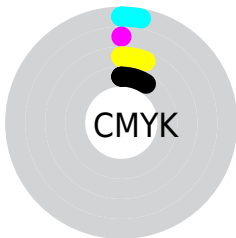
Blue (85%)



Red (85%)

Yellow (91%)

Blue (87%)

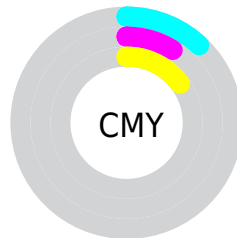


Cyan (3%)

Magenta (0%)

Yellow (6%)

Black (9%)



Cyan (12%)

Magenta (9%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 231, 222 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, 222 by changing the saturation by 10% instead.

■ 216, 231, 222

255, 255, 255

■ 216, 231, 222

■ 188, 203, 194

■ 161, 175, 166

■ 135, 149, 141

■ 110, 123, 115

■ 85, 98, 90

■ 62, 74, 67

■ 40, 52, 45

■ 20, 31, 25

■ 0, 6, 6

 216, 231, 222

 216, 231, 222

 193, 231, 208

 234, 231, 239

 170, 231, 194

 243, 231, 255

 147, 231, 181

 253, 231, 255

 124, 231, 167

 255, 231, 255

 101, 231, 153

 77, 231, 138

 54, 231, 125

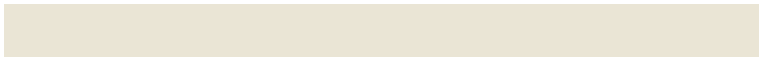
 31, 231, 111

 8, 231, 97

Harmonies

Analogous

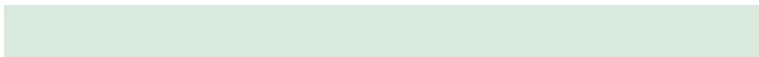
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



220, 234, 213



216, 231, 222



217, 229, 233

Triad

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



216, 231, 222



214, 225, 242



245, 224, 228

Complementary

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



216, 231, 222



222, 216, 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.



240, 224, 235



216, 231, 222



223, 228, 244

Square

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



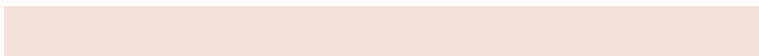
216, 231, 222



210, 222, 237



232, 226, 241



245, 225, 220

Rectangle

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



216, 231, 222



213, 225, 233



232, 226, 241



244, 224, 230

Sweetspot

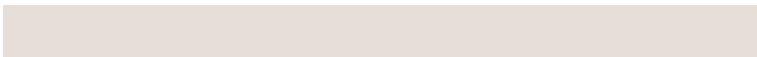
The Sweet Spot groups the original color and five complimentary colors.



216, 231, 222



250, 255, 252



231, 226, 216



125, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

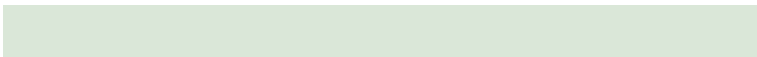
The Same Dimension uses a secret algorithm to generate beautiful new colors.



216, 231, 222



235, 255, 243



216, 231, 229



103, 115, 108



0, 179, 72



0, 51, 20

Inverse Universe

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



222, 216, 231



243, 235, 255



230, 216, 231



108, 103, 115



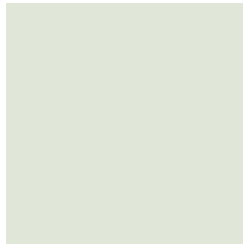
71, 0, 179



20, 0, 51

Previews

White Background



This preview shows how the RYB color 216, 231, 222 looks on a white background.

Color Contrast Check

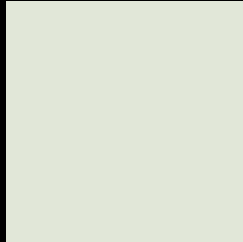
Large Text (above 18pt) WCAG AA × Fail

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, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

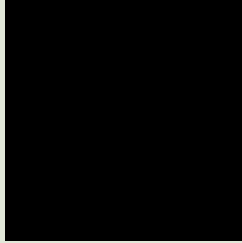
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

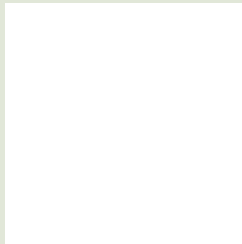
Any Text WCAG AAA ✓ Pass

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

RYB 216, 231, 222 Background



This preview shows how black text looks on a background with the RYB color 216, 231, 222.

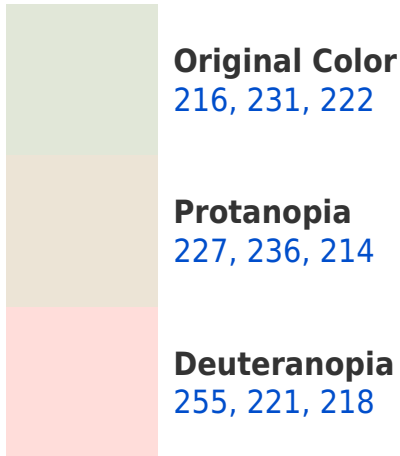


This preview shows how white text looks on a background with the RYB color 216, 231, 222.

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
229, 227, 245

Trichromacy



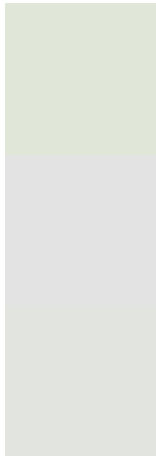
Original Color
216, 231, 222

Protanomaly
219, 232, 215

Deuteranomaly
244, 228, 217

Tritanomaly
228, 228, 234

Monochromacy



Original Color
216, 231, 222

Achromatopsia
227, 227, 227

Achromatomaly
223, 228, 225

CSS Examples

Text

The CSS property to change the color of the text to RGB 216, 231, 222 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(225, 231, 216) looks like.

```
.text, #text, p{  
    color:rgb(225, 231, 216)  
}
```

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(225, 231, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 231, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 231, 222 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(225, 231, 216) }
```

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

```
.border{ border-color:rgb(225, 231, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 231, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 231, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 231, 216); box-shadow:4px 4px 4px 4px rgb(225, 231, 216) }
```

Background

The CSS property to change the background color of an element to RGB 216, 231, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 231, 216) }
```

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

```
.background{ background-color: rgb(225,  
231, 216) }
```

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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