

Converting Colors

`RYB(218, 231, 222)`

Have a look what the booklet for
RYB(218, 231, 222) contains.

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Color

R_YB(218, 231, 222)

Conversions

Conversions Part 1

Format	Color
Hex	E3E7DA
RGB	227, 231, 218
RGB Percent	89%, 91%, 85%
CMY	0.1098, 0.0941, 0.1451
CMYK	0.02, 0.00, 0.06, 0.09
HSL	78°, 21%, 88%
HSV	78°, 6%, 91%
XYZ	72.9094, 78.5447, 77.6476
YIQ	228.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

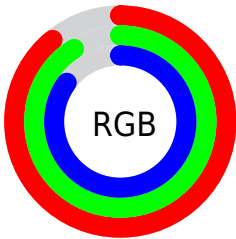
Format	Color
R_{YB}	218, 231, 222
Decimal	14936026
CIE Lab	91.03, -3.62, 5.85
CIE LCh	91, 6.878, 121.784
Yxy	78.5447, 0.3182, 0.3428
Android (android.graphics.Color)	4293126106 (0xFFE3E7DA)
YUV	228.3220, -5.0887, -1.1594
Hunter-Lab	88.6254, -8.2482, 10.0919

Details

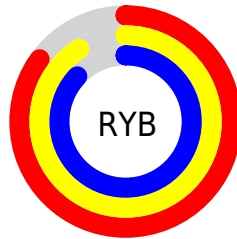
The RYB color **218, 231, 222** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **222, 218, 231**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is 255, 255, 255, and **163, 175, 166** is the 20% darker color. If you saturate the color by 10%, you get **195, 231, 206**, and if you desaturate by 10%, it is **234, 231, 241**.

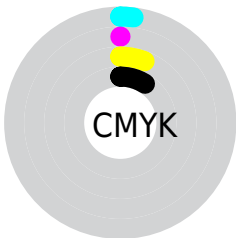
Distribution



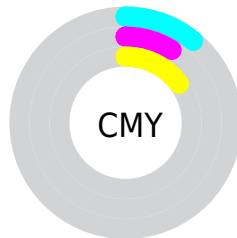
- Red (89%)
- Green (91%)
- Blue (85%)



- Red (85%)
- Yellow (91%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 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 218, 231, 222 by changing the saturation by 10% instead.

■ 218, 231, 222

255, 255, 255

■ 218, 231, 222

■ 190, 203, 194

■ 163, 175, 166

■ 137, 149, 141

■ 112, 123, 116

■ 87, 98, 90

■ 64, 74, 67

■ 42, 52, 45

■ 22, 31, 25

■ 0, 6, 6

■ 218, 231, 222

■ 218, 231, 222

■ 195, 231, 206

■ 234, 231, 241

■ 172, 231, 190

■ 241, 231, 255

■ 149, 231, 174

■ 248, 231, 255

■ 126, 231, 158

■ 255, 231, 255

■ 103, 231, 143

■ 79, 231, 126

■ 56, 231, 110

■ 33, 231, 94

■ 10, 231, 78

Harmonies

Analogous

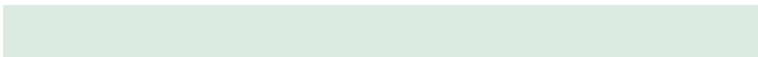
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



225, 235, 216



218, 231, 222



220, 231, 233

Triad

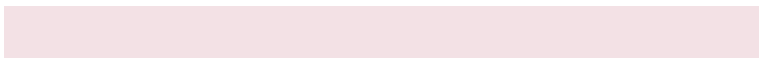
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



218, 231, 222



217, 226, 241



243, 225, 229

Complementary

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



218, 231, 222



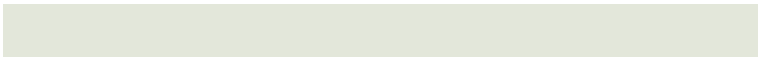
222, 218, 231

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.



239, 226, 236



218, 231, 222



223, 228, 242

Square

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



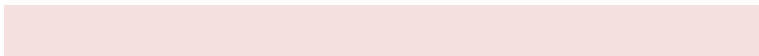
218, 231, 222



214, 224, 236



231, 227, 240



244, 225, 223

Rectangle

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



218, 231, 222



216, 226, 233



231, 227, 240



242, 225, 231

Sweetspot

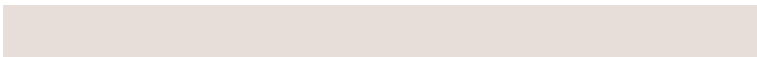
The Sweet Spot groups the original color and five complimentary colors.



218, 231, 222



250, 255, 252



231, 224, 218



125, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



218, 231, 222



237, 255, 242



218, 231, 228



106, 115, 109



0, 179, 55



0, 51, 16

Inverse Universe

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



222, 218, 231



243, 237, 255



228, 218, 231



108, 106, 115



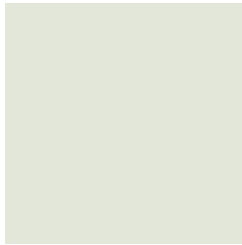
55, 0, 179



16, 0, 51

Previews

White Background



This preview shows how the RYB color 218, 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 218, 231, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

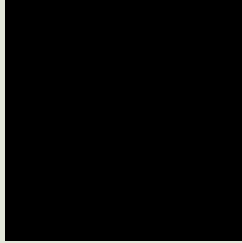
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

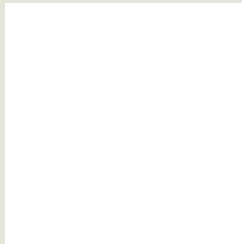
Any Text WCAG AAA ✓ Pass

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

RYB 218, 231, 222 Background



This preview shows how black text looks on a background with the RYB color 218, 231, 222.

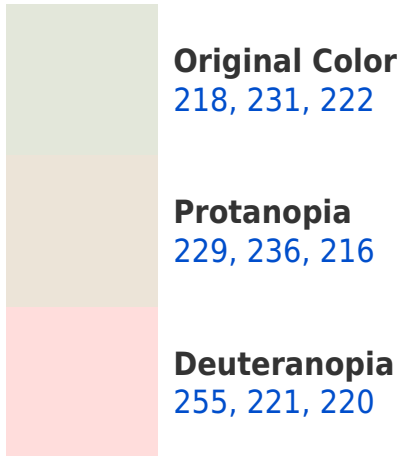


This preview shows how white text looks on a background with the RYB color 218, 231, 222.

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
231, 227, 245

Trichromacy



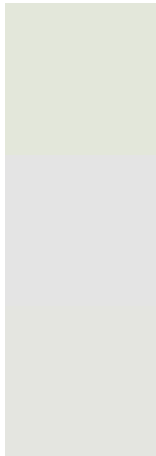
Original Color
218, 231, 222

Protanomaly
222, 233, 217

Deuteranomaly
245, 227, 219

Tritanomaly
230, 228, 235

Monochromacy



Original Color
218, 231, 222

Achromatopsia
228, 228, 228

Achromatomaly
224, 229, 225

CSS Examples

Text

The CSS property to change the color of the text to RGB 218, 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(227, 231, 218) looks like.

```
.text, #text, p{  
    color:rgb(227, 231, 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(227, 231, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 231, 218) }
```

Border

The CSS property to change the border of an element to RYB 218, 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(227, 231, 218) }
```

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

```
.border{ border-color:rgb(227, 231, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 231, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 231, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 231, 218); box-shadow:4px 4px 4px 4px rgb(227, 231, 218) }
```

Background

The CSS property to change the background color of an element to RGB 218, 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(227, 231, 218) }
```

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

```
.background{ background-color: rgb(227,  
231, 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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