

Converting Colors

`RYB(216, 229, 218)`

Have a look what the booklet for
RYB(216, 229, 218) contains.

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Color

RYB(216, 229, 218)

Conversions

Conversions Part 1

Format	Color
Hex	E3E5D8
RGB	227, 229, 216
RGB Percent	89%, 90%, 85%
CMY	0.1098, 0.1020, 0.1529
CMYK	0.01, 0.00, 0.06, 0.10
HSL	69°, 20%, 87%
HSV	69°, 6%, 90%
XYZ	72.0925, 77.3274, 76.0917
YIQ	226.9200, 2.9810, -4.4670

Conversions

Conversions Part 2

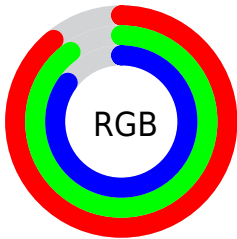
Format	Color
R_{YB}	216, 229, 218
Decimal	14935512
CIE Lab	90.47, -2.94, 6.09
CIE LCh	90, 6.764, 115.791
Yxy	77.3274, 0.3197, 0.3429
Android (android.graphics.Color)	4293125592 (0xFFE3E5D8)
YUV	226.9200, -5.3836, 0.0702
Hunter-Lab	87.9360, -7.5484, 10.2511

Details

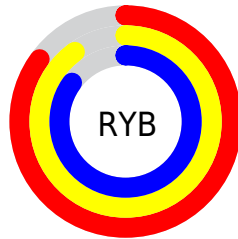
The RYB color **216, 229, 218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **218, 216, 229**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is 255, 255, 255, and **161, 174, 163** is the 20% darker color. If you saturate the color by 10%, you get **193, 229, 199**, and if you desaturate by 10%, it is **231, 229, 239**.

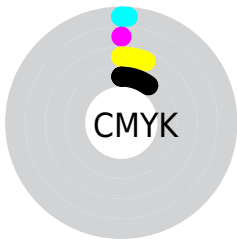
Distribution



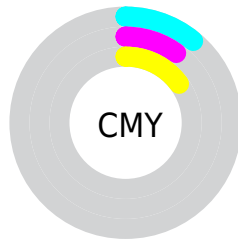
- Red (89%)
- Green (90%)
- Blue (85%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 229, 218 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, 229, 218 by changing the saturation by 10% instead.

■ 216, 229, 218

255, 255, 255

■ 216, 229, 218

■ 188, 201, 190

■ 161, 174, 163

■ 135, 147, 137

■ 110, 121, 112

■ 85, 97, 87

■ 62, 73, 64

■ 40, 50, 41


■ 20, 29, 21

■ 0, 3, 3

 216, 229, 218

 216, 229, 218

 193, 229, 199

 231, 229, 239

 170, 229, 179

 234, 229, 255

 147, 229, 160

 238, 229, 255

 124, 229, 140

 241, 229, 255

 102, 229, 122

 245, 229, 255

 79, 229, 102

 248, 229, 255

 56, 229, 83

 252, 229, 255

 33, 229, 63

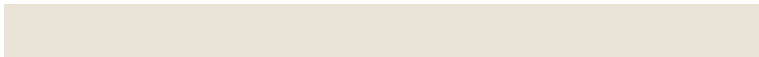
 255, 229, 255

 10, 229, 44

Harmonies

Analogous

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



226, 234, 215



216, 229, 218



220, 231, 231

Triad

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



216, 229, 218



214, 224, 238



241, 224, 229

Complementary

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



216, 229, 218



218, 216, 229

Split Complementary

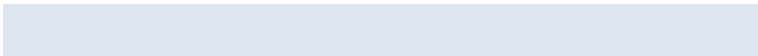
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



236, 225, 235



216, 229, 218



220, 226, 240

Square

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



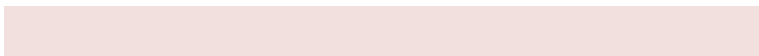
216, 229, 218



212, 222, 233



228, 226, 239



242, 224, 222

Rectangle

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



216, 229, 218



216, 226, 231



228, 226, 239



239, 224, 231

Sweetspot

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



216, 229, 218



250, 255, 251



229, 218, 216



125, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



216, 229, 218



237, 255, 240



216, 229, 224



106, 115, 108



0, 179, 28



0, 51, 8

Inverse Universe

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



218, 216, 229



240, 237, 255



224, 216, 229



107, 106, 115



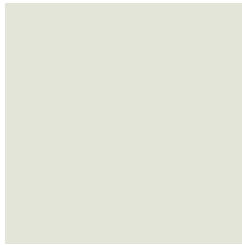
27, 0, 179



8, 0, 51

Previews

White Background



This preview shows how the RYB color 216, 229, 218 looks on a white background.

Color Contrast Check

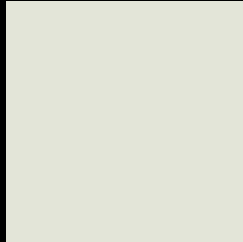
Large Text (above 18pt) WCAG AA × Fail

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, 229, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

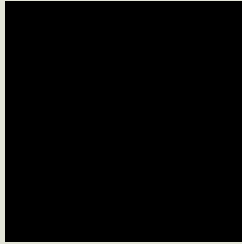
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

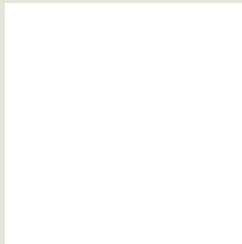
Any Text WCAG AAA ✓ Pass

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

R Y B 216, 229, 218 Background



This preview shows how black text looks on a background with the RYB color 216, 229, 218.

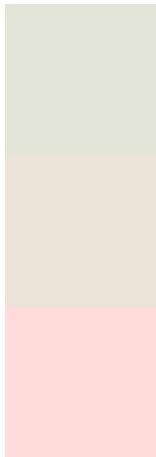


This preview shows how white text looks on a background with the RYB color 216, 229, 218.

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
216, 229, 218

Protanopia
228, 235, 215

Deuteranopia
253, 220, 218



Tritanopia
231, 225, 243

Trichromacy



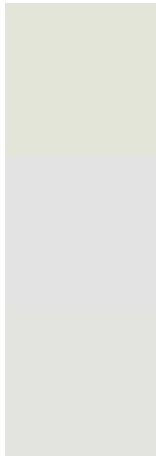
Original Color
216, 229, 218

Protanomaly
220, 232, 215

Deuteranomaly
244, 225, 217

Tritanomaly
230, 226, 233

Monochromacy



Original Color
216, 229, 218

Achromatopsia
227, 227, 227

Achromatomaly
223, 228, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 229, 218 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, 229, 216) looks like.

```
.text, #text, p{  
    color:rgb(227, 229, 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(227, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 229, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 229, 218 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, 229, 216) }
```

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

```
.border{ border-color:rgb(227, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(227, 229,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 216, 229, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 229, 216) }
```

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

```
.background{ background-color: rgb(227,  
229, 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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