

Converting Colors

`RYB(216, 235, 223)`

Have a look what the booklet for
RYB(216, 235, 223) contains.

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Color

R_YB(216, 235, 223)

Conversions

Conversions Part 1

Format	Color
Hex	E4EBD8
RGB	228, 235, 216
RGB Percent	89%, 92%, 85%
CMY	0.1059, 0.0784, 0.1529
CMYK	0.03, 0.00, 0.08, 0.08
HSL	82°, 32%, 88%
HSV	82°, 8%, 92%
XYZ	74.0979, 80.8685, 76.6696
YIQ	230.7410, 1.9270, -7.3930

Conversions

Conversions Part 2

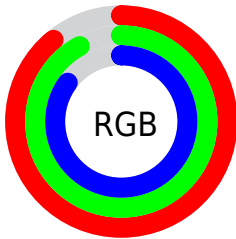
Format	Color
R _Y B	216, 235, 223
Decimal	15002584
CIE Lab	92.07, -5.65, 8.40
CIE LCh	92, 10.128, 123.940
Yxy	80.8685, 0.3199, 0.3491
Android (android.graphics.Color)	4293192664 (0xFFE4EBD8)
YUV	230.7410, -7.2673, -2.4039
Hunter-Lab	89.9269, -10.2918, 12.3996

Details

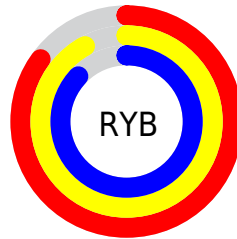
The RYB color **216, 235, 223** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **223, 216, 235**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **161, 179, 167** is the 20% darker color. If you saturate the color by 10%, you get **193, 235, 209**, and if you desaturate by 10%, it is **237, 235, 240**.

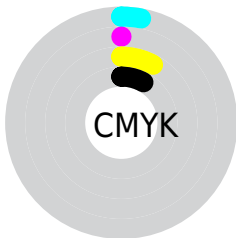
Distribution



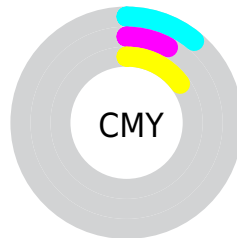
- Red (89%)
- Green (92%)
- Blue (85%)



- Red (85%)
- Yellow (92%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 235, 223 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, 235, 223 by changing the saturation by 10% instead.

■ 216, 235, 223

255, 255, 255

■ 216, 235, 223

■ 188, 207, 195

■ 161, 179, 167

■ 135, 153, 142

■ 110, 127, 117

■ 85, 102, 92

■ 62, 78, 68

■ 40, 55, 46

■ 20, 34, 26

■ 0, 12, 12

 216, 235, 223

 216, 235, 223

 193, 235, 209

 237, 235, 240

 169, 235, 193

 245, 235, 255

 146, 235, 179

 254, 235, 255

 122, 235, 164

 255, 235, 255

 98, 235, 148

 75, 235, 134

 52, 235, 120

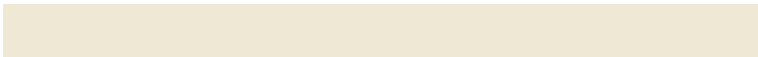
 28, 235, 104

 4, 235, 89

Harmonies

Analogous

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



223, 239, 213



216, 235, 223



217, 232, 237

Triad

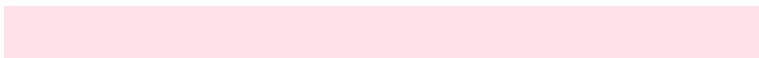
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



216, 235, 223



214, 228, 249



253, 226, 231

Complementary

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



216, 235, 223



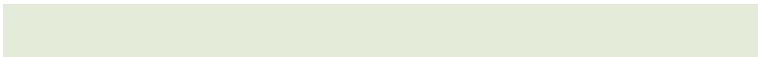
223, 216, 235

Split Complementary

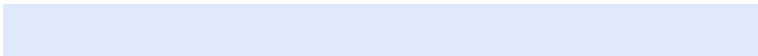
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



246, 227, 241



216, 235, 223



224, 231, 251

Square

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



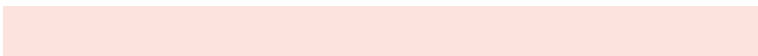
216, 235, 223



209, 225, 243



236, 229, 248



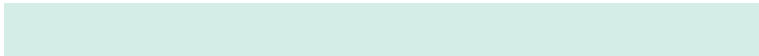
253, 228, 222

Rectangle

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



216, 235, 223



212, 227, 238



236, 229, 248



251, 226, 235

Sweetspot

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



216, 235, 223



250, 255, 252



235, 227, 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, 235, 223



230, 255, 239



216, 235, 232



106, 117, 110



0, 181, 67



0, 54, 20

Inverse Universe

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



223, 216, 235



239, 230, 255



232, 216, 235



110, 106, 117



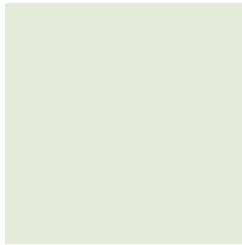
67, 0, 181



20, 0, 54

Previews

White Background



This preview shows how the RYB color 216, 235, 223 looks on a white background.

Color Contrast Check

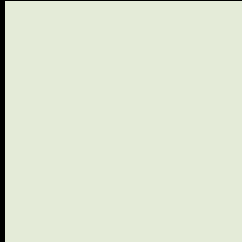
Large Text (above 18pt) WCAG AA × Fail

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, 235, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

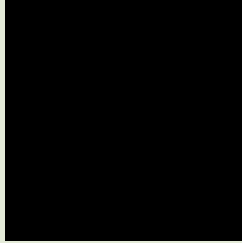
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

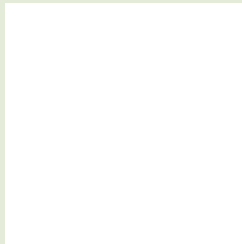
Any Text WCAG AAA ✓ Pass

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

RYB 216, 235, 223 Background



This preview shows how black text looks on a background with the RYB color 216, 235, 223.



This preview shows how white text looks on a background with the RYB color 216, 235, 223.

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](#).

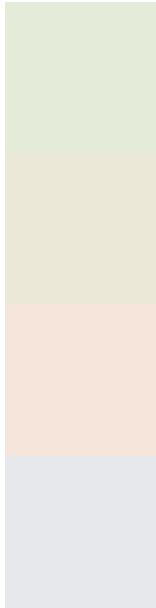
Dichromacy





Tritanopia
233, 230, 248

Trichromacy



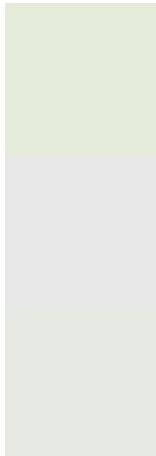
Original Color
216, 235, 223

Protanomaly
220, 236, 215

Deuteranomaly
245, 235, 219

Tritanomaly
231, 232, 236

Monochromacy



Original Color
216, 235, 223

Achromatopsia
231, 231, 231

Achromatomaly
226, 232, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 235, 223 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(228, 235, 216) looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 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(228, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 235, 223 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(228, 235, 216) }
```

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

```
.border{ border-color:rgb(228, 235, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 235, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 216, 235, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 216) }
```

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

```
.background{ background-color: rgb(228,  
235, 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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