

Converting Colors

`RYB(216, 235, 229)`

Have a look what the booklet for RYB(216, 235, 229) contains.

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Color

R_YB(216, 235, 229)

Conversions

Conversions Part 1

Format	Color
Hex	DEEBD8
RGB	222, 235, 216
RGB Percent	87%, 92%, 85%
CMY	0.1294, 0.0784, 0.1529
CMYK	0.06, 0.00, 0.08, 0.08
HSL	101°, 32%, 88%
HSV	101°, 8%, 92%
XYZ	72.2272, 79.9041, 76.5820
YIQ	228.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

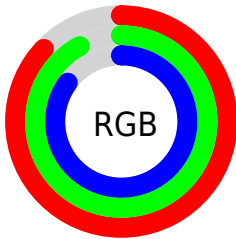
Format	Color
R _Y B	216, 235, 229
Decimal	14609368
CIE Lab	91.64, -7.70, 7.73
CIE LCh	92, 10.909, 134.906
Yxy	79.9041, 0.3158, 0.3494
Android (android.graphics.Color)	4292799448 (0xFFDEEBD8)
YUV	228.9470, -6.3829, -6.0925
Hunter-Lab	89.3891, -12.2013, 11.7771

Details

The RYB color **216, 235, 229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **229, 216, 235**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is 255, 255, 255, and **161, 179, 173** is the 20% darker color. If you saturate the color by 10%, you get **193, 235, 222**, and if you desaturate by 10%, it is **238, 235, 240**.

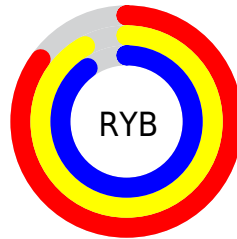
Distribution



Red (87%)

Green (92%)

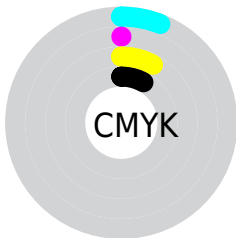
Blue (85%)



Red (85%)

Yellow (92%)

Blue (90%)

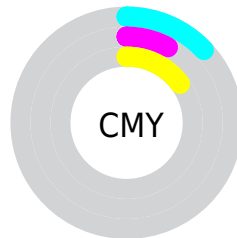


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (8%)



Cyan (13%)

Magenta (8%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 235, 229 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, 229 by changing the saturation by 10% instead.

■ 216, 235, 229

255, 255, 255

■ 216, 235, 229

■ 188, 207, 201

■ 161, 179, 173

■ 135, 153, 148

■ 110, 127, 122

■ 85, 102, 97

■ 62, 78, 73

■ 40, 55, 50

■ 20, 33, 29

■ 0, 11, 11

 216, 235, 229

 216, 235, 229

 193, 235, 222

 238, 235, 240

 169, 235, 214

 254, 235, 255

 146, 235, 207

 255, 235, 255

 122, 235, 199

 98, 235, 191

 75, 235, 184

 52, 235, 178

 28, 235, 170

 4, 235, 162

Harmonies

Analogous

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



213, 234, 211



216, 235, 229



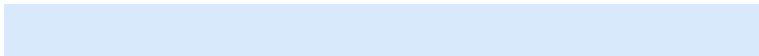
211, 228, 237

Triad

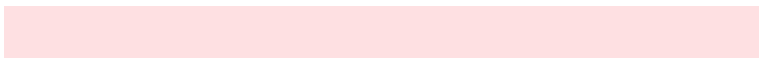
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



216, 235, 229



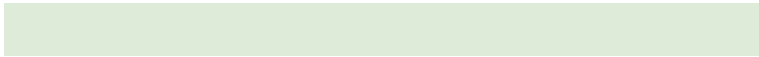
215, 227, 251



254, 224, 226

Complementary

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



216, 235, 229



229, 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.



249, 225, 237



216, 235, 229



227, 230, 251

Square

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



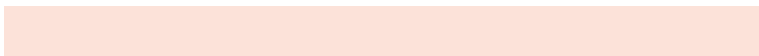
216, 235, 229



207, 223, 245



239, 227, 246



252, 229, 217

Rectangle

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



216, 235, 229



207, 223, 237



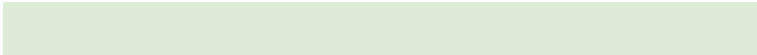
239, 227, 246



253, 224, 230

Sweetspot

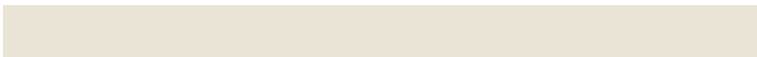
The Sweet Spot groups the original color and five complimentary colors.



216, 235, 229



250, 255, 253



225, 235, 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, 235, 229



230, 255, 247



216, 232, 235



106, 117, 114



0, 181, 124



0, 54, 37

Inverse Universe

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



229, 216, 235



247, 230, 255



235, 216, 232



114, 106, 117



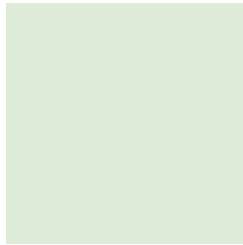
124, 0, 181



37, 0, 54

Previews

White Background



This preview shows how the RYB color 216, 235, 229 looks on a white background.

Color Contrast Check

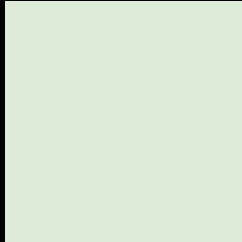
Large Text (above 18pt) WCAG AA × Fail

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, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

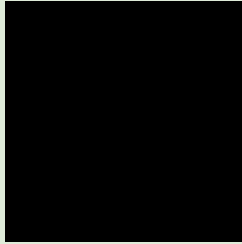
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

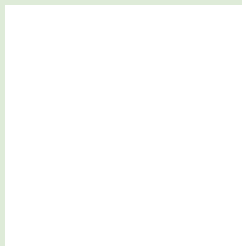
Any Text WCAG AAA ✓ Pass

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

RYB 216, 235, 229 Background



This preview shows how black text looks on a background with the RYB color 216, 235, 229.

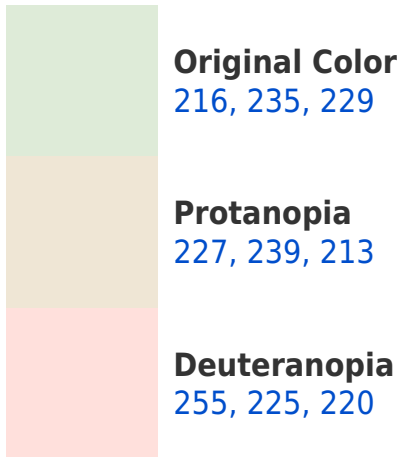


This preview shows how white text looks on a background with the RYB color 216, 235, 229.

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

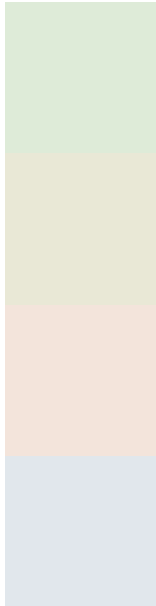




Tritanopia

227, 230, 248

Trichromacy



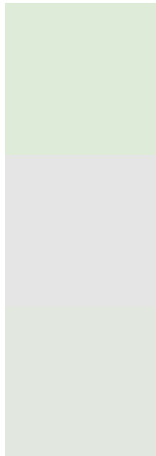
Original Color
216, 235, 229

Protanomaly
215, 233, 214

Deuteranomaly
243, 233, 219

Tritanomaly
225, 229, 236

Monochromacy



Original Color
216, 235, 229

Achromatopsia
229, 229, 229

Achromatomaly
224, 231, 229

CSS Examples

Text

The CSS property to change the color of the text to RGB 216, 235, 229 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(222, 235, 216) looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 235, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 235, 229 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(222, 235, 216) }
```

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

```
.border{ border-color:rgb(222, 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(222, 235, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(222, 235,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 216, 235, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 235, 216) }
```

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

```
.background{ background-color: rgb(222,  
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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