

Converting Colors

`RYB(216, 232, 232)`

Have a look what the booklet for
RYB(216, 232, 232) contains.

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Color

R_YB(216, 232, 232)

Conversions

Conversions Part 1

Format	Color
Hex	D8E8D8
RGB	216, 232, 216
RGB Percent	85%, 91%, 85%
CMY	0.1529, 0.0902, 0.1529
CMYK	0.07, 0.00, 0.07, 0.09
HSL	120°, 26%, 88%
HSV	120°, 7%, 91%
XYZ	69.5702, 77.2700, 76.2136
YIQ	225.3920, -4.4000, -8.3680

Conversions

Conversions Part 2

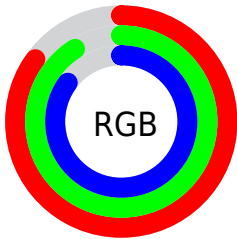
Format	Color
R_{YB}	216, 232, 232
Decimal	14215384
CIE Lab	90.45, -8.21, 5.95
CIE LCh	90, 10.140, 144.071
Yxy	77.2700, 0.3119, 0.3464
Android (android.graphics.Color)	4292405464 (0xFFD8E8D8)
YUV	225.3920, -4.6303, -8.2368
Hunter-Lab	87.9034, -12.5590, 10.1270

Details

The RYB color **216, 232, 232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **232, 216, 232**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 176, 176** is the 20% darker color. If you saturate the color by 10%, you get **193, 232, 232**, and if you desaturate by 10%, it is **239, 232, 239**.

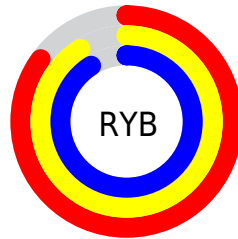
Distribution



Red (85%)

Green (91%)

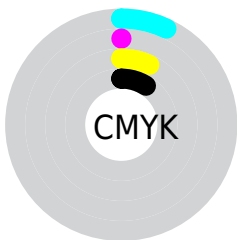
Blue (85%)



Red (85%)

Yellow (91%)

Blue (91%)

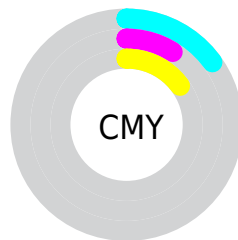


Cyan (7%)

Magenta (0%)

Yellow (7%)

Black (9%)



Cyan (15%)

Magenta (9%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 232, 232 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, 232, 232 by changing the saturation by 10% instead.

 216, 232, 232


255, 255, 255

 216, 232, 232

 188, 204, 204

 161, 176, 176

 135, 150, 150

 110, 124, 124

 85, 99, 99

 62, 75, 75

 40, 52, 52

 19, 30, 31

 0, 3, 3

 216, 232, 232

 216, 232, 232

 193, 232, 232

 239, 232, 239

 170, 232, 232

 255, 232, 255

 146, 232, 232

 123, 232, 232

 100, 232, 232

 77, 232, 232

 54, 232, 232

 30, 232, 232

 7, 232, 232

Harmonies

Analogous

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



210, 229, 212



216, 232, 232



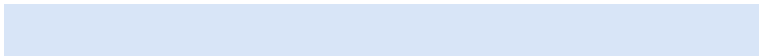
207, 222, 233

Triad

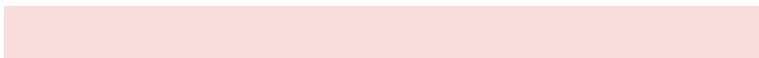
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



216, 232, 232



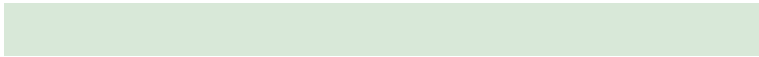
216, 225, 247



249, 221, 220

Complementary

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



216, 232, 232



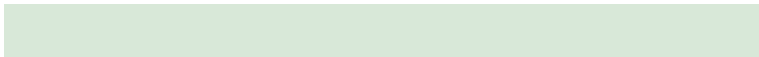
232, 216, 232

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.



247, 221, 230



216, 232, 232



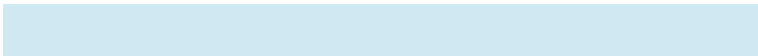
227, 226, 245

Square

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



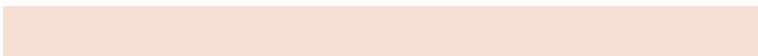
216, 232, 232



207, 222, 243



239, 223, 239



246, 228, 212

Rectangle

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



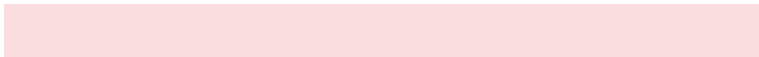
216, 232, 232



204, 220, 234



239, 223, 239



249, 221, 223

Sweetspot

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



216, 232, 232



250, 255, 255



216, 232, 216



125, 128, 128



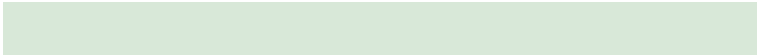
0, 0, 0



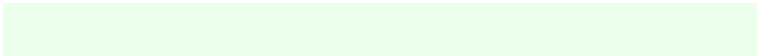
128, 128, 128

Same Dimension

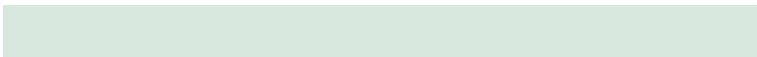
The Same Dimension uses a secret algorithm to generate beautiful new colors.



216, 232, 232



235, 255, 255



216, 227, 232



103, 115, 115



0, 179, 179



0, 51, 51

Inverse Universe

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



232, 216, 232



255, 235, 255



232, 216, 224



115, 103, 115



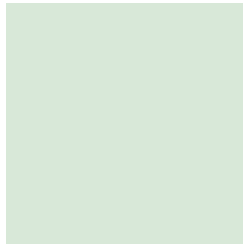
179, 0, 179



51, 0, 51

Previews

White Background



This preview shows how the RYB color 216, 232, 232 looks on a white background.

Color Contrast Check

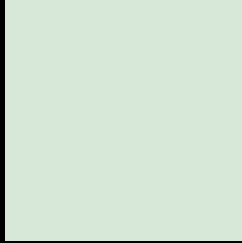
Large Text (above 18pt) WCAG AA × Fail

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, 232, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

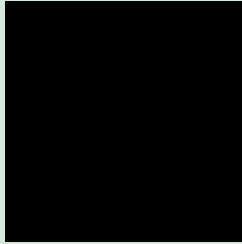
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

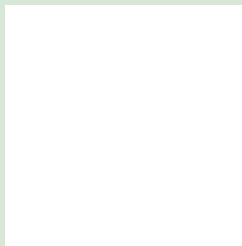
Any Text WCAG AAA ✓ Pass

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

RYB 216, 232, 232 Background



This preview shows how black text looks on a background with the RYB color 216, 232, 232.

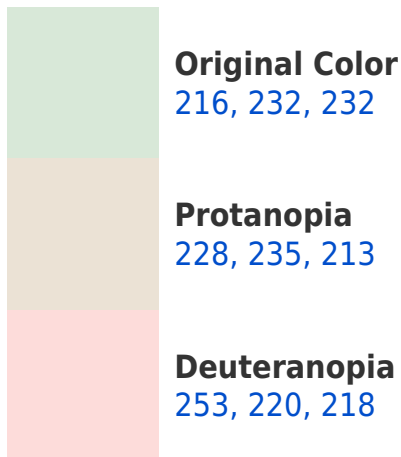


This preview shows how white text looks on a background with the RYB color 216, 232, 232.

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
221, 226, 246

Trichromacy



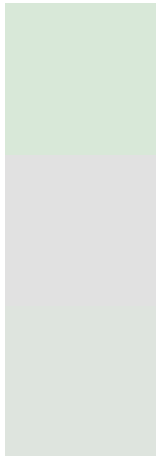
Original Color
216, 232, 232

Protanomaly
214, 228, 214

Deuteranomaly
240, 227, 217

Tritanomaly
219, 225, 235

Monochromacy



Original Color
216, 232, 232

Achromatopsia
225, 225, 225

Achromatomaly
222, 228, 228

CSS Examples

Text

The CSS property to change the color of the text to RGB 216, 232, 216 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(216, 232, 216) looks like.

```
.text, #text, p{  
    color:rgb(216, 232, 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(216, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 232, 216) }
```

Border

The CSS property to change the border of an element to RYB 216, 232, 232 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(216, 232, 216) }
```

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

```
.border{ border-color:rgb(216, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(216, 232,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 216, 232, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 232, 216) }
```

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

```
.background{ background-color: rgb(216,  
232, 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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