

Converting Colors

`RYB(185, 233, 216)`

Have a look what the booklet for
RYB(185, 233, 216) contains.

RYB(185, 233, 216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(185, 233, 216)

Conversions

Conversions Part 1

Format	Color
Hex	CAE9B9
RGB	202, 233, 185
RGB Percent	79%, 91%, 73%
CMY	0.2078, 0.0863, 0.2745
CMYK	0.13, 0.00, 0.21, 0.09
HSL	99°, 52%, 82%
HSV	99°, 21%, 91%
XYZ	62.2530, 74.3372, 56.9664
YIQ	218.2590, -3.0680, -21.5000

Conversions

Conversions Part 2

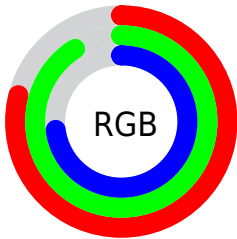
Format	Color
RYB	185, 233, 216
Decimal	13298105
CIELab	89.08, -18.72, 20.02
CIELCh	89, 27.405, 133.076
Yxy	74.3372, 0.3216, 0.3841
Android (android.graphics.Color)	4291488185 (0xFFCAE9B9)
YUV	218.2590, -16.3967, -14.2591
Hunter-Lab	86.2190, -22.0003, 21.1794

Details

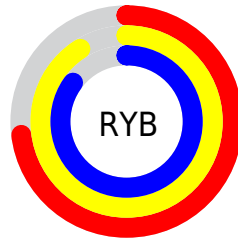
The RYB color **185, 233, 216** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **216, 185, 233**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **241, 255, 241**, and **132, 177, 161** is the 20% darker color. If you saturate the color by 10%, you get **162, 233, 208**, and if you desaturate by 10%, it is **208, 233, 224**.

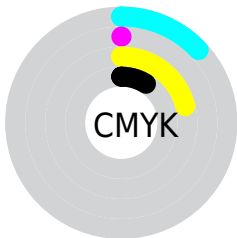
Distribution



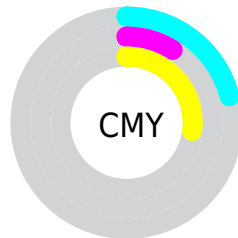
- Red (79%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)



- Cyan (21%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 233, 216 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 185, 233, 216 by changing the saturation by 10% instead.

 185, 233, 216

255, 255, 255


 241, 255, 241


 185, 233, 216

 158, 205, 189

 132, 177, 161


 106, 150, 135

 82, 125, 111

 59, 100, 87

 36, 75, 62

 15, 53, 42

 0, 32, 30

 0, 0, 0

■ 185, 233, 216

■ 185, 233, 216

■ 162, 233, 208

■ 208, 233, 224

■ 138, 233, 199

■ 232, 233, 233

■ 115, 233, 191

■ 247, 233, 255

■ 92, 233, 183

■ 255, 233, 255

■ 68, 233, 174

■ 45, 233, 166

■ 22, 233, 158

■ 0, 233, 150

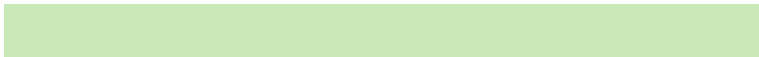
Harmonies

Analogous

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



180, 232, 173



185, 233, 216



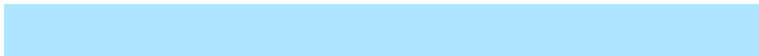
173, 215, 238

Triad

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



185, 233, 216



174, 207, 255



255, 205, 213

Complementary

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



185, 233, 216



216, 185, 233

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.



255, 207, 240



185, 233, 216



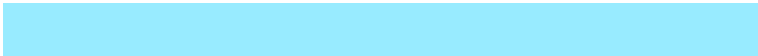
208, 219, 255

Square

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



185, 233, 216



152, 198, 255



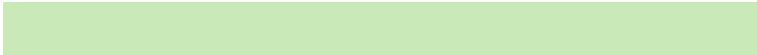
242, 213, 255



255, 218, 189

Rectangle

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



185, 233, 216



158, 202, 239



242, 213, 255



255, 205, 222

Sweetspot

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



185, 233, 216



240, 255, 250



214, 233, 185



119, 128, 125



0, 0, 0



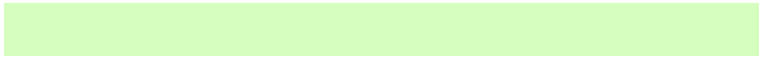
128, 128, 128

Same Dimension

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



185, 233, 216



191, 255, 232



185, 228, 233



106, 117, 113



0, 181, 117



0, 54, 35

Inverse Universe

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



216, 185, 233



232, 191, 255



233, 185, 227



113, 106, 117



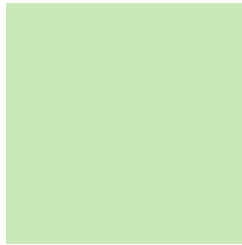
117, 0, 181



35, 0, 54

Previews

White Background



This preview shows how the RYB color 185, 233, 216 looks on a white background.

Color Contrast Check

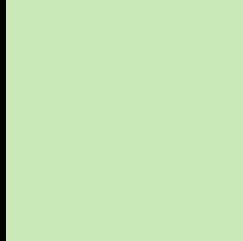
Large Text (above 18pt) WCAG AA × Fail

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 185, 233, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

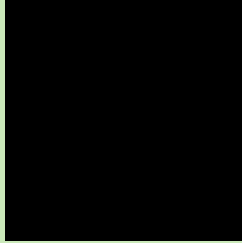
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

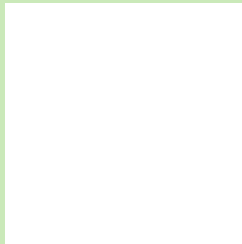
Any Text WCAG AAA ✓ Pass

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

RYB 185, 233, 216 Background



This preview shows how black text looks on a background with the RYB color 185, 233, 216.

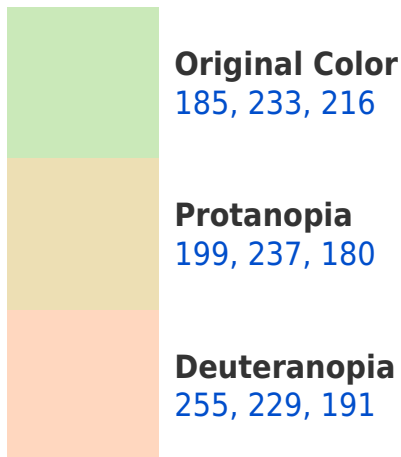


This preview shows how white text looks on a background with the RYB color 185, 233, 216.

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





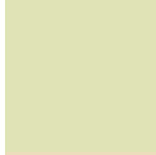
Tritanopia
211, 221, 243

Trichromacy



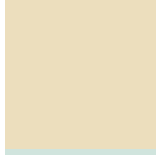
Original Color

185, 233, 216



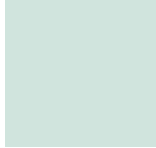
Protanomaly

182, 227, 185



Deuteranomaly

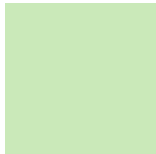
209, 236, 189



Tritanomaly

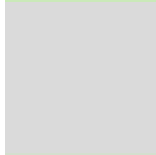
208, 220, 228

Monochromacy



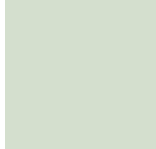
Original Color

185, 233, 216



Achromatopsia

218, 218, 218



Achromatomaly

206, 223, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 233, 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(202, 233, 185)` looks like.

```
.text, #text, p{  
    color:rgb(202, 233, 185)  
}
```

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(202, 233, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 233, 185) }
```

Border

The CSS property to change the border of an element to RYB 185, 233, 216 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(202, 233, 185) }
```

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

```
.border{ border-color:rgb(202, 233, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 233, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 233, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 233, 185);  
box-shadow:4px 4px 4px 4px rgb(202, 233,  
185) }
```

Background

The CSS property to change the background color of an element to RYB 185, 233, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 233, 185) }
```

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

```
.background{ background-color: rgb(202,  
233, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor