

# Converting Colors

`RYB(184, 216, 228)`

Have a look what the booklet for RYB(184, 216, 228) contains.

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# Color

**R<sub>Y</sub>B(184, 216, 228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E4C9
RGB	184, 228, 201
RGB Percent	72%, 89%, 79%
CMY	0.2784, 0.1059, 0.2137
CMYK	0.19, 0.00, 0.12, 0.11
HSL	142°, 45%, 81%
HSV	142°, 19%, 89%
XYZ	57.9944, 69.8707, 65.3802
YIQ	211.7660, -17.5570, -17.7250

# Conversions

## Conversions Part 2

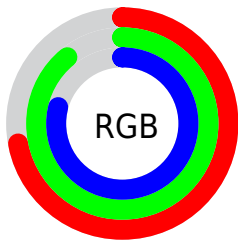
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 216, 228
Decimal	12117193
CIELab	86.93, -19.59, 8.74
CIElCh	87, 21.455, 155.957
Yxy	69.8707, 0.3001, 0.3616
Android (android.graphics.Color)	4290307273 (0xFFB8E4C9)
YUV	211.7660, -5.3076, -24.3508
Hunter-Lab	83.5887, -22.4356, 12.1375

# Details

The RYB color **184, 216, 228** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **228, 184, 211**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **240, 248, 255**, and **130, 160, 172** is the 20% darker color. If you saturate the color by 10%, you get **161, 210, 228**, and if you desaturate by 10%, it is **207, 222, 228**.

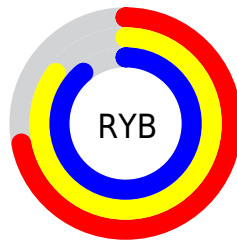
# Distribution



Red (72%)

Green (89%)

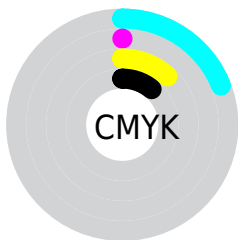
Blue (79%)



Red (72%)

Yellow (85%)

Blue (89%)

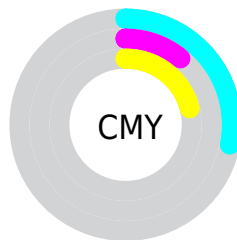


Cyan (19%)

Magenta (0%)

Yellow (12%)

Black (11%)



Cyan (28%)

Magenta (11%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 184, 216, 228 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 184, 216, 228 by changing the saturation by 10% instead.





 184, 216, 228

255, 255, 255


 240, 248, 255

 184, 216, 228

 157, 188, 200

 130, 160, 172

 105, 134, 146

 80, 109, 120

 56, 84, 95

 32, 59, 71

 8, 34, 48

 0, 26, 29

 0, 0, 0

 184, 216, 228

 184, 216, 228

 161, 210, 228


 207, 222, 228

 138, 203, 228


 230, 228, 229


 116, 197, 228


 252, 228, 243


 93, 192, 228


 255, 228, 255

 70, 185, 228

 47, 179, 228

 24, 172, 228

 2, 167, 228

 0, 166, 228

# Harmonies

## Analogous

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



184, 224, 201



184, 216, 228



167, 201, 230

# Triad

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



184, 216, 228



200, 214, 255



255, 208, 195

# Complementary

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



184, 216, 228



228, 184, 211

# 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, 203, 214



184, 216, 228



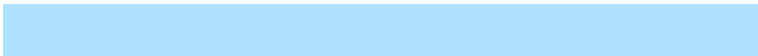
227, 211, 251

# Square

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



184, 216, 228



176, 206, 254



248, 206, 235



248, 235, 181

# Rectangle

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



184, 216, 228



163, 197, 235



248, 206, 235



255, 204, 201



# Sweetspot

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



184, 216, 228



240, 251, 255



184, 228, 200



119, 126, 128



0, 0, 0



128, 128, 128

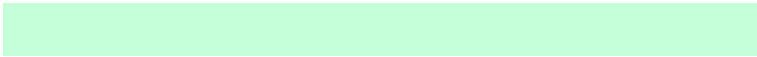


# Same Dimension

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



184, 216, 228



196, 239, 255



184, 208, 228



103, 111, 115



0, 130, 179



0, 37, 51



# Inverse Universe

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



228, 184, 211



255, 196, 233



228, 184, 190



115, 103, 110



179, 0, 112

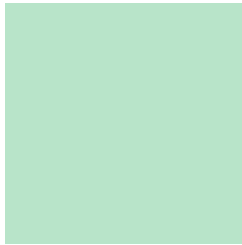


51, 0, 32



# Previews

## White Background



This preview shows how the RYB color 184, 216, 228 looks on a white background.

## Color Contrast Check

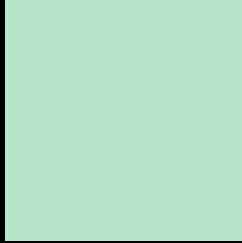
Large Text (above 18pt) WCAG AA × Fail

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 184, 216, 228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

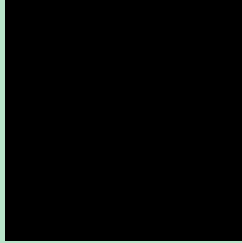
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

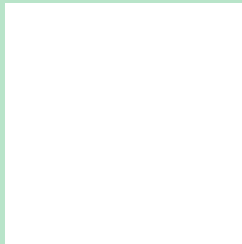
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYP 184, 216, 228 Background



This preview shows how black text looks on a background with the RYB color 184, 216, 228.

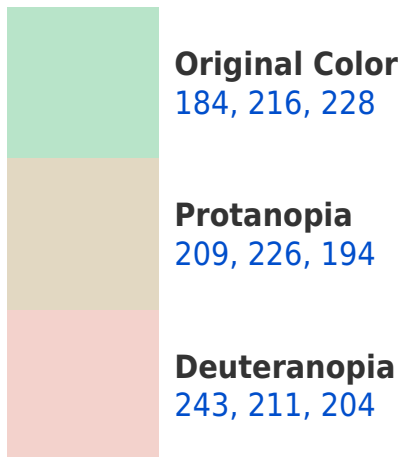


This preview shows how white text looks on a background with the RYB color 184, 216, 228.

# 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





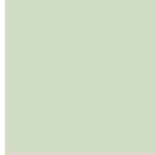
**Tritanopia**  
191, 210, 240

# Trichromacy



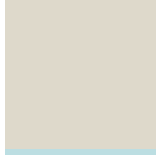
**Original Color**

184, 216, 228



**Protanomaly**

196, 220, 205



**Deuteranomaly**

210, 222, 203



**Tritanomaly**

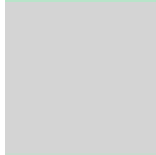
188, 206, 226

# Monochromacy



**Original Color**

184, 216, 228



**Achromatopsia**

212, 212, 212



**Achromatomaly**

202, 214, 218

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 184, 216, 228 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(184, 228, 201)` looks like.

```
.text, #text, p{  
    color:rgb(184, 228, 201)  
}
```

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(184, 228, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 228, 201) }
```

## Border

The CSS property to change the border of an element to RYB 184, 216, 228 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(184, 228, 201) }
```

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

```
.border{ border-color:rgb(184, 228, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 228, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 228, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 228, 201);  
box-shadow:4px 4px 4px 4px rgb(184, 228,  
201) }
```

# Background

The CSS property to change the background color of an element to RYB 184, 216, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 228, 201) }
```

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

```
.background{ background-color: rgb(184,  
228, 201) }
```

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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