

# Converting Colors

`RYB(189, 206, 217)`

Have a look what the booklet for RYB(189, 206, 217) contains.

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# **Color**

**R<sub>Y</sub>B(189, 206, 217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD9CF
RGB	189, 217, 207
RGB Percent	74%, 85%, 81%
CMY	0.2588, 0.1490, 0.1878
CMYK	0.13, 0.00, 0.05, 0.15
HSL	159°, 27%, 80%
HSV	159°, 13%, 85%
XYZ	57.0760, 64.9553, 68.6363
YIQ	207.4880, -13.4780, -9.0460

# Conversions

## Conversions Part 2

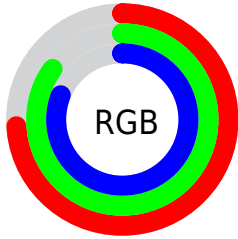
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 206, 217
Decimal	12442063
CIELab	84.46, -11.19, 1.72
CIELCh	84, 11.318, 171.247
Yxy	64.9553, 0.2993, 0.3407
Android (android.graphics.Color)	4290632143 (0xFFBDD9CF)
YUV	207.4880, -0.2406, -16.2140
Hunter-Lab	80.5948, -14.6301, 5.9237

# Details

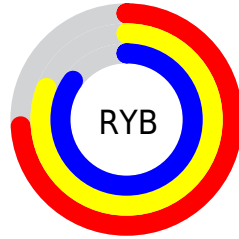
The RYB color **189, 206, 217** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **217, 189, 199**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **245, 250, 255**, and **135, 151, 162** is the 20% darker color. If you saturate the color by 10%, you get **167, 197, 217**, and if you desaturate by 10%, it is **211, 215, 217**.

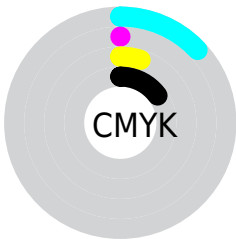
# Distribution



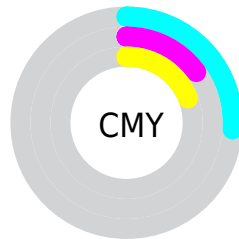
- Red (74%)
- Green (85%)
- Blue (81%)



- Red (74%)
- Yellow (81%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (26%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 189, 206, 217 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 189, 206, 217 by changing the saturation by 10% instead.



 189, 206, 217

255, 255, 255


 245, 250, 255

 189, 206, 217

 162, 178, 189

 135, 151, 162

 110, 126, 136

 85, 100, 110

 62, 76, 86

 39, 53, 63

 18, 32, 41


 0, 13, 21

 0, 0, 0

 189, 206, 217


 189, 206, 217

 167, 197, 217


 211, 215, 217

 146, 189, 217


 232, 217, 222

 124, 181, 217


 254, 217, 230

 102, 172, 217


 255, 217, 238

 81, 164, 217


 255, 217, 245

 59, 155, 217

 255, 217, 253

 37, 146, 217

 255, 217, 255

 15, 138, 217

 0, 132, 217

# Harmonies

## Analogous

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



197, 215, 213



189, 206, 217



184, 201, 218

# Triad

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



189, 206, 217



209, 209, 231



231, 211, 195

# Complementary

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



189, 206, 217



217, 189, 199

# 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.



234, 204, 203



189, 206, 217



222, 206, 224

# Square

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



189, 206, 217



196, 208, 232



231, 204, 214



214, 223, 190

# Rectangle

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



189, 206, 217



185, 202, 224



231, 204, 214



233, 207, 197



# Sweetspot

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



189, 206, 217



245, 251, 255



189, 217, 207



121, 125, 128



0, 0, 0



128, 128, 128

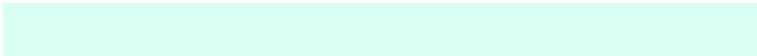


# Same Dimension

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



189, 206, 217



217, 240, 255



189, 202, 217



99, 106, 110



0, 105, 173



0, 28, 46



# Inverse Universe

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



217, 189, 199



255, 217, 230



217, 194, 189



110, 99, 103



173, 0, 61

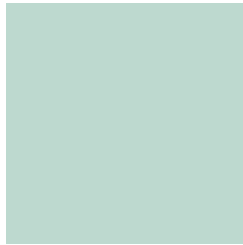


46, 0, 16



# Previews

## White Background



This preview shows how the RYB color 189, 206, 217 looks on a white background.

## Color Contrast Check

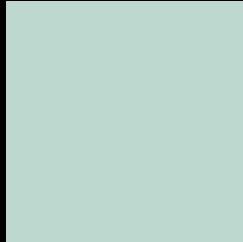
Large Text (above 18pt) WCAG AA × Fail

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 189, 206, 217 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

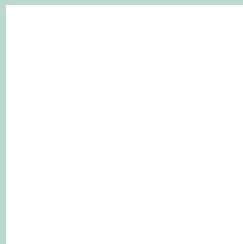
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 189, 206, 217 Background



This preview shows how black text looks on a background with the RYB color 189, 206, 217.



This preview shows how white text looks on a background with the RYB color 189, 206, 217.

# 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**  
193, 206, 230

# Trichromacy



**Original Color**  
189, 206, 217

**Protanomaly**  
204, 212, 210

**Deuteranomaly**  
216, 209, 209

**Tritanomaly**  
192, 205, 222

# Monochromacy



**Original Color**  
189, 206, 217

**Achromatopsia**  
208, 208, 208

**Achromatomaly**  
201, 207, 211

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 189, 206, 217 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(189, 217, 207)` looks like.

```
.text, #text, p{  
    color:rgb(189, 217, 207)  
}
```

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(189, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 217, 207) }
```

## Border

The CSS property to change the border of an element to RYB 189, 206, 217 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(189, 217, 207) }
```

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

```
.border{ border-color:rgb(189, 217, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 217, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(189, 217,  
207) }
```

# Background

The CSS property to change the background color of an element to RYB 189, 206, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 217, 207) }
```

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

```
.background{ background-color: rgb(189,  
217, 207) }
```

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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