

Converting Colors

`RYB(189, 207, 222)`

Have a look what the booklet for
RYB(189, 207, 222) contains.

RYB(189, 207, 222)	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(189, 207, 222)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDDDED9</code>
RGB	<code>189, 222, 217</code>
RGB Percent	<code>74%, 87%, 85%</code>
CMY	<code>0.2588, 0.1294, 0.1510</code>
CMYK	<code>0.15, 0.00, 0.02, 0.13</code>
HSL	<code>170°, 33%, 81%</code>
HSV	<code>170°, 15%, 87%</code>
XYZ	<code>59.5670, 68.0451, 75.2997</code>
YIQ	<code>211.5630, -18.0630, -8.5510</code>

Conversions

Conversions Part 2

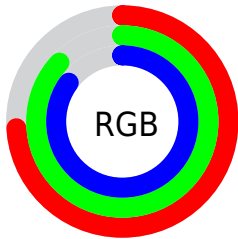
Format	Color
R _{YB}	189, 207, 222
Decimal	12443353
CIE Lab	86.03, -11.90, -0.95
CIE LCh	86, 11.935, 184.578
Yxy	68.0451, 0.2936, 0.3353
Android (android.graphics.Color)	4290633433 (0xFFBDD9D9)
YUV	211.5630, 2.6804, -19.7878
Hunter-Lab	82.4895, -15.4589, 3.6204

Details

The RYB color **189, 207, 222** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **222, 189, 195**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **246, 251, 255**, and **135, 152, 167** is the 20% darker color. If you saturate the color by 10%, you get **167, 197, 222**, and if you desaturate by 10%, it is **211, 217, 222**.

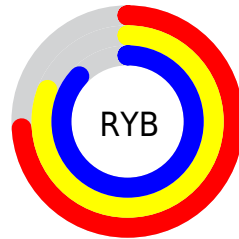
Distribution



Red (74%)

Green (87%)

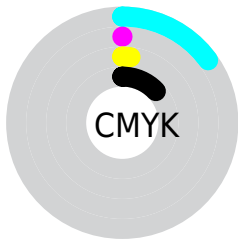
Blue (85%)



Red (74%)

Yellow (81%)

Blue (87%)

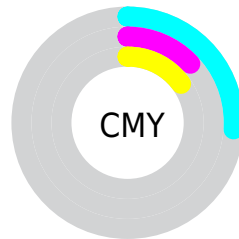


Cyan (15%)

Magenta (0%)

Yellow (2%)

Black (13%)



Cyan (26%)

Magenta (13%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 207, 222 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, 207, 222 by changing the saturation by 10% instead.

■ 189, 207, 222

255, 255, 255

■ 246, 251, 255

■ 189, 207, 222

■ 162, 179, 194

■ 135, 152, 167

■ 110, 126, 140

■ 85, 101, 115

■ 61, 77, 90

■ 38, 54, 67


■ 16, 31, 44


■ 0, 14, 25

■ 0, 0, 0

 189, 207, 222


 189, 207, 222

 167, 197, 222


 211, 217, 222

 145, 187, 222


 233, 222, 224

 122, 177, 222


 255, 222, 228

 100, 166, 222


 255, 222, 231

 78, 157, 222


 255, 222, 235

 56, 147, 222

 255, 222, 239

 34, 136, 222

 255, 222, 242

 11, 126, 222

 255, 222, 246

 0, 121, 222

 255, 222, 250

Harmonies

Analogous

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



197, 215, 221



189, 207, 222



187, 205, 227

Triad

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



189, 207, 222



220, 212, 234



233, 223, 195

Complementary

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



189, 207, 222



222, 189, 195

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.



239, 209, 203



189, 207, 222



232, 209, 225

Square

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



189, 207, 222



206, 213, 237



239, 208, 214



204, 223, 193

Rectangle

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



189, 207, 222



191, 208, 233



239, 208, 214



236, 217, 197

Sweetspot

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



189, 207, 222



245, 251, 255



189, 222, 216



121, 125, 128



0, 0, 0



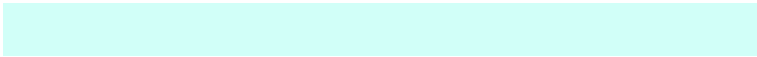
128, 128, 128

Same Dimension

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



189, 207, 222



209, 234, 255



189, 203, 222



101, 107, 112



0, 96, 176



0, 26, 48

Inverse Universe

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



222, 189, 195



255, 209, 217



222, 206, 189



112, 101, 103



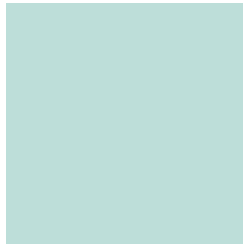
176, 0, 29



48, 0, 8

Previews

White Background



This preview shows how the RYB color 189, 207, 222 looks on a white background.

Color Contrast Check

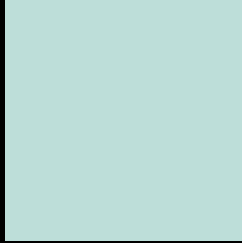
Large Text (above 18pt) WCAG AA × Fail

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, 207, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

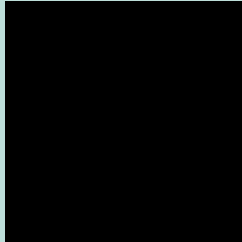
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

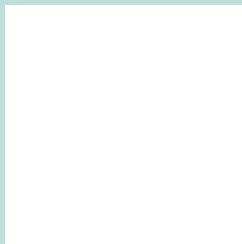
Any Text WCAG AAA ✓ Pass

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

RYB 189, 207, 222 Background



This preview shows how black text looks on a background with the RYB color 189, 207, 222.

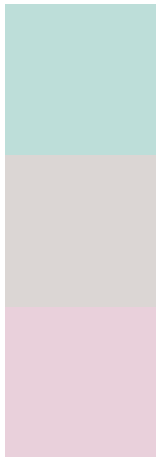


This preview shows how white text looks on a background with the RYB color 189, 207, 222.

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](#).

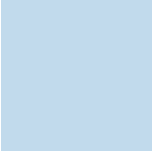
Dichromacy



Original Color
[189, 207, 222](#)

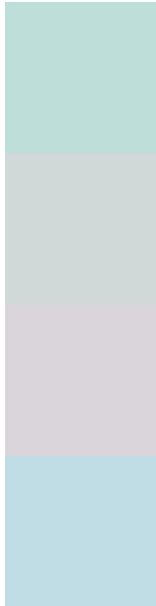
Protanopia
[219, 215, 212](#)

Deuteranopia
[233, 208, 219](#)



Tritanopia
193, 209, 236

Trichromacy



Original Color
189, 207, 222

Protanomaly
208, 213, 217

Deuteranomaly
217, 213, 218

Tritanomaly
192, 208, 229

Monochromacy



Original Color
189, 207, 222

Achromatopsia
212, 212, 212

Achromatomaly
204, 211, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 207, 222 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, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 217)  
}
```

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, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 217) }
```

Border

The CSS property to change the border of an element to RYB 189, 207, 222 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, 222, 217) }
```

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

```
.border{ border-color:rgb(189, 222, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 222, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 222,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 189, 207, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 217) }
```

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

```
.background{ background-color: rgb(189,  
222, 217) }
```

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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