

Converting Colors

`RYB(189, 207, 230)`

Have a look what the booklet for RYB(189, 207, 230) contains.

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Color

R_YB(189, 207, 230)

Conversions

Conversions Part 1

Format	Color
Hex	BDDDE6
RGB	189, 221, 230
RGB Percent	74%, 87%, 90%
CMY	0.2588, 0.1330, 0.0980
CMYK	0.18, 0.04, 0.00, 0.10
HSL	193°, 45%, 82%
HSV	193°, 18%, 90%
XYZ	61.1486, 68.2908, 84.8215
YIQ	212.4580, -21.9610, -3.9850

Conversions

Conversions Part 2

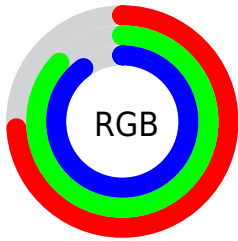
Format	Color
RYB	189, 207, 230
Decimal	12443110
CIELab	86.15, -8.67, -7.90
CIELCh	86, 11.732, 222.344
Yxy	68.2908, 0.2854, 0.3187
Android (android.graphics.Color)	4290633190 (0xFFBDDDE6)
YUV	212.4580, 8.6482, -20.5727
Hunter-Lab	82.6383, -12.5350, -3.0096

Details

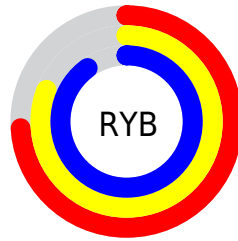
The RYB color **189, 207, 230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **230, 201, 189**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is **246, 251, 255**, and **135, 152, 175** is the 20% darker color. If you saturate the color by 10%, you get **166, 194, 230**, and if you desaturate by 10%, it is **212, 220, 230**.

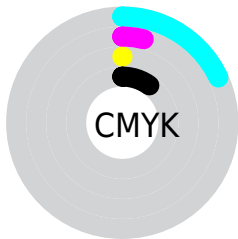
Distribution



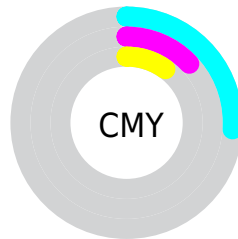
- Red (74%)
- Green (87%)
- Blue (90%)



- Red (74%)
- Yellow (81%)
- Blue (90%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (26%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 189, 207, 230 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, 230 by changing the saturation by 10% instead.

■ 189, 207, 230

255, 255, 255

■ 246, 251, 255

■ 189, 207, 230

■ 162, 179, 202

■ 135, 152, 175

■ 109, 126, 148

■ 84, 101, 122

■ 60, 77, 97

■ 37, 53, 74


■ 13, 30, 51

■ 0, 13, 30

■ 0, 0, 3

 189, 207, 230


 189, 207, 230

 166, 194, 230


 212, 220, 230

 143, 181, 230


 235, 231, 230

 120, 168, 230


 255, 238, 230

 97, 155, 230


 255, 250, 230

 74, 142, 230


 244, 255, 230


 51, 130, 230

 235, 255, 230

 28, 117, 230

 230, 255, 230

 5, 104, 230

 0, 101, 230

Harmonies

Analogous

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



189, 206, 222



189, 207, 230



197, 211, 236

Triad

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



189, 207, 230



234, 209, 223



199, 220, 194

Complementary

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



189, 207, 230



230, 201, 189

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.



231, 231, 195



189, 207, 230



239, 208, 211

Square

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



189, 207, 230



223, 211, 232



238, 213, 201



199, 219, 211

Rectangle

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



189, 207, 230



205, 213, 237



238, 213, 201



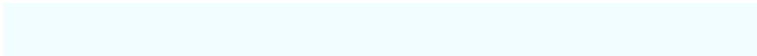
206, 224, 193

Sweetspot

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



189, 207, 230



242, 248, 255



189, 223, 230



120, 123, 128



0, 0, 0



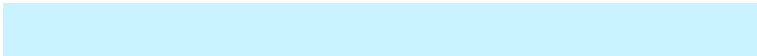
128, 128, 128

Same Dimension

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



189, 207, 230



201, 225, 255



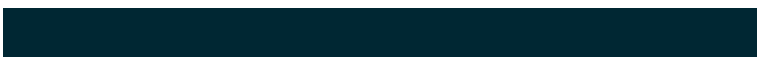
189, 198, 230



103, 108, 115



0, 79, 179



0, 22, 51

Inverse Universe

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



230, 189, 221



255, 201, 243



206, 230, 189



115, 103, 112



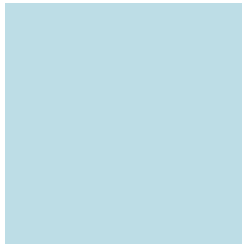
179, 0, 140



51, 0, 40

Previews

White Background



This preview shows how the RYB color 189, 207, 230 looks on a white background.

Color Contrast Check

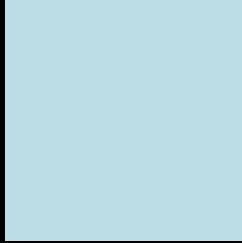
Large Text (above 18pt) WCAG AA × Fail

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, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

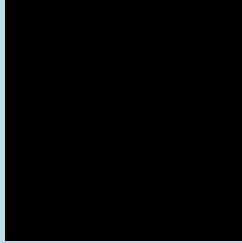
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

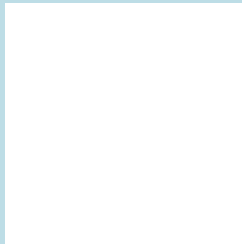
Any Text WCAG AAA ✓ Pass

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

R Y B 189, 207, 230 Background



This preview shows how black text looks on a background with the R Y B color 189, 207, 230.

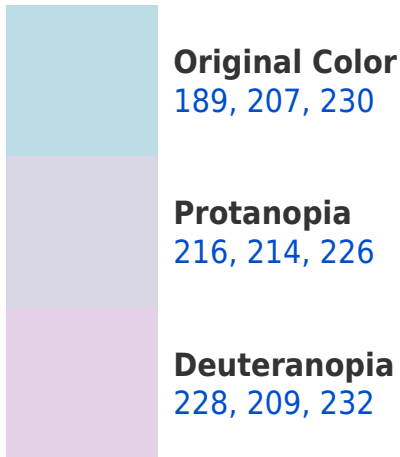


This preview shows how white text looks on a background with the R Y B color 189, 207, 230.

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](#).

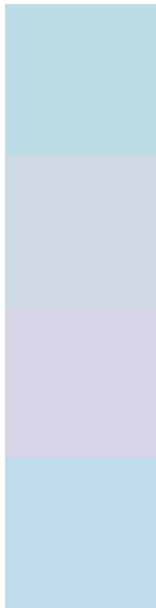
Dichromacy





Tritanopia
190, 208, 237

Trichromacy



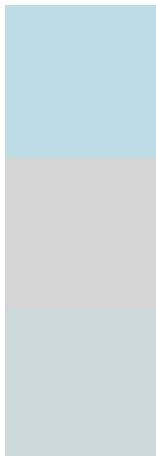
Original Color
189, 207, 230

Protanomaly
206, 213, 227

Deuteranomaly
214, 213, 231

Tritanomaly
190, 208, 234

Monochromacy



Original Color
189, 207, 230

Achromatopsia
213, 213, 213

Achromatomaly
204, 211, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 207, 230 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, 221, 230)` looks like.

```
.text, #text, p{  
    color:rgb(189, 221, 230)  
}
```

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, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 221, 230) }
```

Border

The CSS property to change the border of an element to RYB 189, 207, 230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

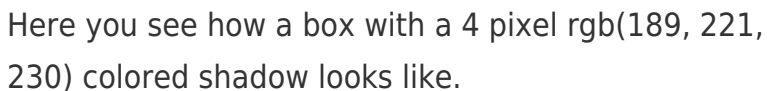
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 221, 230) }
```

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

```
.border{ border-color:rgb(189, 221, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 221, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 221, 230); box-shadow:4px 4px 4px 4px rgb(189, 221, 230) }
```

Background

The CSS property to change the background color of an element to RYB 189, 207, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 221, 230) }
```

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

```
.background{ background-color: rgb(189,  
221, 230) }
```

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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