

Converting Colors

`RYB(188, 205, 220)`

Have a look what the booklet for
RYB(188, 205, 220) contains.

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Color

R_YB(188, 205, 220)

Conversions

Conversions Part 1

Format	Color
Hex	BCDCD8
RGB	188, 220, 216
RGB Percent	74%, 86%, 85%
CMY	0.2627, 0.1373, 0.1520
CMYK	0.15, 0.00, 0.02, 0.14
HSL	173°, 31%, 80%
HSV	173°, 15%, 86%
XYZ	58.7574, 66.8478, 74.9314
YIQ	209.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

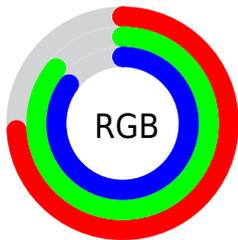
Format	Color
RYB	188, 205, 220
Decimal	12377304
CIELab	85.43, -11.25, -1.70
CIELCh	85, 11.377, 188.602
Yxy	66.8478, 0.2930, 0.3333
Android (android.graphics.Color)	4290567384 (0xFFBCDCD8)
YUV	209.9760, 2.9698, -19.2730
Hunter-Lab	81.7605, -14.8015, 2.8946

Details

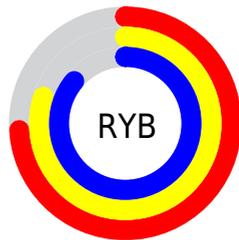
The RYB color **188, 205, 220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **220, 188, 192**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **244, 250, 255**, and **134, 151, 165** is the 20% darker color. If you saturate the color by 10%, you get **166, 195, 220**, and if you desaturate by 10%, it is **210, 215, 220**.

Distribution



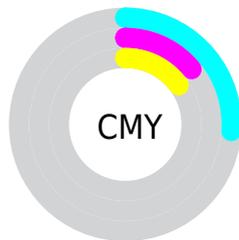
- Red (74%)
- Green (86%)
- Blue (85%)



- Red (74%)
- Yellow (80%)
- Blue (86%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (26%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 205, 220 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 188, 205, 220 by changing the saturation by 10% instead.

■ 188, 205, 220

255, 255, 255

■ 244, 250, 255

■ 188, 205, 220

■ 161, 178, 192

■ 134, 151, 165

■ 109, 125, 139

■ 84, 99, 113

■ 60, 75, 89

■ 37, 52, 65

■ 15, 30, 43

■ 0, 12, 23

■ 0, 0, 0

 188, 205, 220

 188, 205, 220

 166, 195, 220

 210, 215, 220

 144, 184, 220

 232, 220, 221

 122, 174, 220

 254, 220, 224

 100, 164, 220

 255, 220, 227

 78, 154, 220

 255, 220, 229

 56, 143, 220

 255, 220, 232

 34, 133, 220

 255, 220, 234

 12, 122, 220

 255, 220, 237

 0, 117, 220

 255, 220, 240

Harmonies

Analogous

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



195, 212, 219



188, 205, 220



187, 205, 226

Triad

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



188, 205, 220



220, 210, 230



230, 223, 194

Complementary

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



188, 205, 220



220, 188, 192

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.



236, 209, 200



188, 205, 220



231, 207, 222

Square

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



188, 205, 220



206, 212, 235



236, 206, 211



198, 219, 192

Rectangle

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



188, 205, 220



191, 207, 231



236, 206, 211



232, 218, 195

Sweetspot

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



188, 205, 220



245, 250, 255



188, 220, 216



121, 125, 128



0, 0, 0



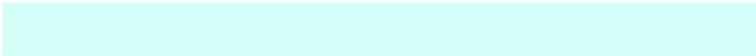
128, 128, 128

Same Dimension

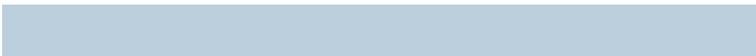
The Same Dimension uses a secret algorithm to generate beautiful new colors.



188, 205, 220



212, 235, 255



188, 200, 220



99, 105, 110



0, 92, 173



0, 24, 46

Inverse Universe

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



220, 188, 192



255, 212, 217



220, 207, 188



110, 99, 100



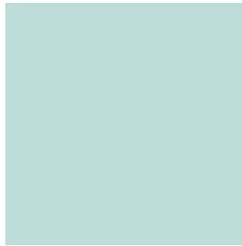
173, 0, 20



46, 0, 5

Previews

White Background



This preview shows how the RYB color 188, 205, 220 looks on a white background.

Color Contrast Check

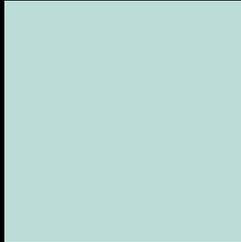
Large Text (above 18pt) WCAG AA × Fail

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 188, 205, 220 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 188, 205, 220 Background



This preview shows how black text looks on a background with the RYB color 188, 205, 220.



This preview shows how white text looks on a background with the RYB color 188, 205, 220.

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
188, 205, 220

Protanopia
217, 212, 212

Deuteranopia
231, 207, 219



Tritanopia
191, 207, 235

Trichromacy



Original Color
188, 205, 220

Protanomaly
206, 211, 215

Deuteranomaly
215, 212, 218

Tritanomaly
190, 206, 228

Monochromacy



Original Color
188, 205, 220

Achromatopsia
210, 210, 210

Achromatomaly
202, 209, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 205, 220 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(188, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 216)  
}
```

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(188, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 216) }
```

Border

The CSS property to change the border of an element to RYB 188, 205, 220 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(188, 220, 216) }
```

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

```
.border{ border-color:rgb(188, 220, 216) }
```

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

Here you see how a box with a 4 pixel rgb(188, 220, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(188, 220,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 188, 205, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 216) }
```

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

```
.background{ background-color: rgb(188,  
220, 216) }
```

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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