

Converting Colors

`RYB(188, 209, 228)`

Have a look what the booklet for RYB(188, 209, 228) contains.

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Color

R_YB(188, 209, 228)

Conversions

Conversions Part 1

Format	Color
Hex	BCE4E0
RGB	188, 228, 224
RGB Percent	74%, 89%, 88%
CMY	0.2627, 0.1059, 0.1208
CMYK	0.18, 0.00, 0.02, 0.11
HSL	174°, 43%, 82%
HSV	174°, 18%, 89%
XYZ	61.9628, 71.5703, 81.2052
YIQ	215.5840, -22.5560, -9.7240

Conversions

Conversions Part 2

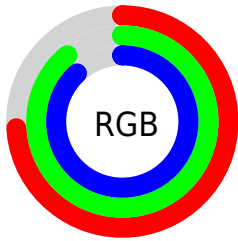
Format	Color
R _Y B	188, 209, 228
Decimal	12379360
CIE Lab	87.76, -13.70, -2.47
CIE LCh	88, 13.924, 190.233
Yxy	71.5703, 0.2886, 0.3333
Android (android.graphics.Color)	4290569440 (0xFFBCE4E0)
YUV	215.5840, 4.1491, -24.1912
Hunter-Lab	84.5993, -17.3103, 2.3081

Details

The RYB color **188, 209, 228** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **228, 188, 192**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **245, 250, 255**, and **134, 155, 173** is the 20% darker color. If you saturate the color by 10%, you get **165, 198, 228**, and if you desaturate by 10%, it is **211, 220, 228**.

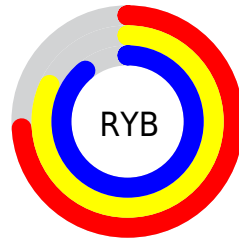
Distribution



Red (74%)

Green (89%)

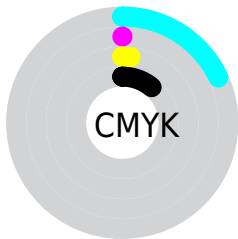
Blue (88%)



Red (74%)

Yellow (82%)

Blue (89%)

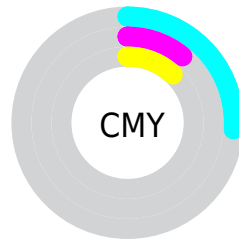


Cyan (18%)

Magenta (0%)

Yellow (2%)

Black (11%)



Cyan (26%)

Magenta (11%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 209, 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 188, 209, 228 by changing the saturation by 10% instead.


 188, 209, 228

255, 255, 255


 245, 250, 255

 188, 209, 228

 161, 182, 200


 134, 155, 173


 108, 128, 146

 83, 102, 120

 59, 78, 95

 36, 55, 72

 11, 31, 49


 0, 15, 28


 0, 0, 0

 188, 209, 228


 188, 209, 228

 165, 198, 228


 211, 220, 228

 142, 187, 228


 234, 228, 229

 120, 177, 228


 255, 228, 231

 97, 166, 228


 255, 228, 233

 74, 155, 228

 255, 228, 235

 51, 144, 228

 255, 228, 237

 28, 133, 228

 255, 228, 239

 6, 123, 228

 255, 228, 242

 0, 120, 228

 255, 228, 244

Harmonies

Analogous

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



197, 217, 227



188, 209, 228



188, 210, 237

Triad

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



188, 209, 228



228, 215, 240



239, 235, 195

Complementary

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



188, 209, 228



228, 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.



247, 216, 203



188, 209, 228



241, 212, 229

Square

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



188, 209, 228



212, 218, 246



248, 211, 216



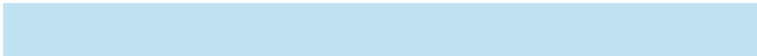
200, 226, 194

Rectangle

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



188, 209, 228



193, 213, 243



248, 211, 216



243, 227, 197

Sweetspot

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



188, 209, 228



242, 249, 255



188, 228, 224



120, 124, 128



0, 0, 0



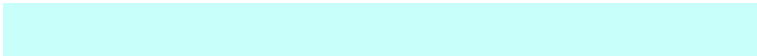
128, 128, 128

Same Dimension

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



188, 209, 228



201, 229, 255



188, 203, 228



103, 109, 115



0, 94, 179



0, 27, 51

Inverse Universe

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



228, 188, 192



255, 201, 207



228, 215, 188



115, 103, 104



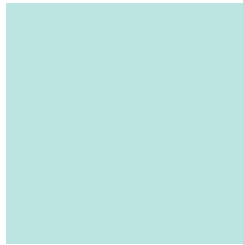
179, 0, 17



51, 0, 5

Previews

White Background



This preview shows how the RYB color 188, 209, 228 looks on a white background.

Color Contrast Check

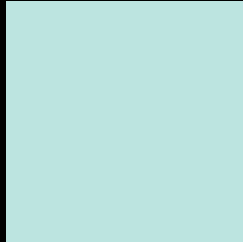
Large Text (above 18pt) WCAG AA × Fail

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 188, 209, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

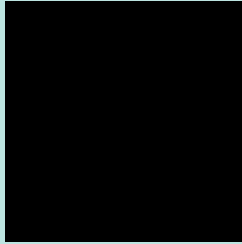
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

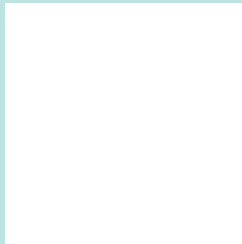
Any Text WCAG AAA ✓ Pass

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

R Y B 188, 209, 228 Background



This preview shows how black text looks on a background with the RYB color 188, 209, 228.



This preview shows how white text looks on a background with the RYB color 188, 209, 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](#).

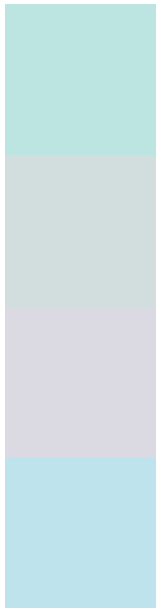
Dichromacy





Tritanopia
192, 212, 243

Trichromacy



Original Color
188, 209, 228

Protanomaly
210, 216, 222

Deuteranomaly
219, 218, 226

Tritanomaly
191, 211, 236

Monochromacy



Original Color
188, 209, 228

Achromatopsia
216, 216, 216

Achromatomaly
206, 213, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 209, 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(188, 228, 224)` looks like.

```
.text, #text, p{  
  color:rgb(188, 228, 224)  
}
```

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, 228, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 228, 224) }
```

Border

The CSS property to change the border of an element to RYB 188, 209, 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(188, 228, 224) }
```

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

```
.border{ border-color:rgb(188, 228, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 228, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 228, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 228, 224);  
box-shadow:4px 4px 4px 4px rgb(188, 228,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 188, 209, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 228, 224) }
```

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

```
.background{ background-color: rgb(188,  
228, 224) }
```

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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