

Converting Colors

`RYB(185, 212, 232)`

Have a look what the booklet for
RYB(185, 212, 232) contains.

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Color

R_YB(185, 212, 232)

Conversions

Conversions Part 1

Format	Color
Hex	B9E8DC
RGB	185, 232, 220
RGB Percent	73%, 91%, 86%
CMY	0.2745, 0.0902, 0.1380
CMYK	0.20, 0.00, 0.05, 0.09
HSL	164°, 51%, 82%
HSV	164°, 20%, 91%
XYZ	61.7579, 73.1850, 78.4528
YIQ	216.5790, -24.1600, -13.6960

Conversions

Conversions Part 2

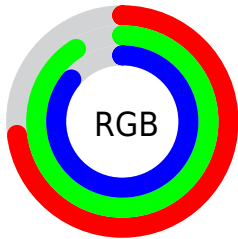
Format	Color
R _Y B	185, 212, 232
Decimal	12183772
CIE Lab	88.54, -17.52, 0.93
CIE LCh	89, 17.544, 176.946
Yxy	73.1850, 0.2894, 0.3430
Android (android.graphics.Color)	4290373852 (0xFFB9E8DC)
YUV	216.5790, 1.6866, -27.6948
Hunter-Lab	85.5482, -20.8489, 5.5114

Details

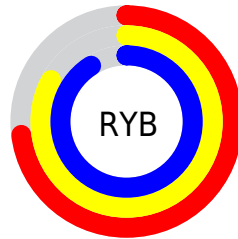
The RYB color **185, 212, 232** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **232, 185, 197**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **242, 249, 255**, and **131, 157, 176** is the 20% darker color. If you saturate the color by 10%, you get **162, 202, 232**, and if you desaturate by 10%, it is **208, 222, 232**.

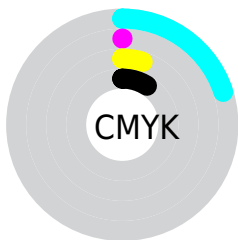
Distribution



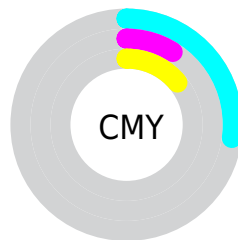
- Red (73%)
- Green (91%)
- Blue (86%)



- Red (73%)
- Yellow (83%)
- Blue (91%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (27%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 212, 232 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 185, 212, 232 by changing the saturation by 10% instead.


 185, 212, 232

255, 255, 255


 242, 249, 255

 185, 212, 232

 158, 184, 204

 131, 157, 176


 105, 131, 150

 80, 105, 124

 56, 80, 99

 32, 56, 75

 5, 31, 52

 0, 18, 31

 0, 0, 0

 185, 212, 232


 185, 212, 232

 162, 202, 232


 208, 222, 232

 139, 192, 232


 231, 232, 232

 115, 182, 232


 255, 232, 238

 92, 172, 232


 255, 232, 244


 69, 163, 232

 255, 232, 250

 46, 153, 232

 255, 232, 255

 23, 143, 232

 0, 133, 232

Harmonies

Analogous

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



200, 226, 230



185, 212, 232



179, 207, 237

Triad

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



185, 212, 232



223, 219, 252



251, 226, 195

Complementary

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



185, 212, 232



232, 185, 197

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.



255, 212, 208



185, 212, 232



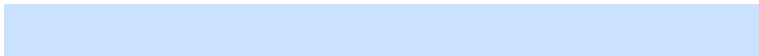
243, 214, 241

Square

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



185, 212, 232



202, 218, 255



255, 211, 225



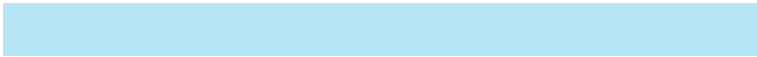
215, 237, 189

Rectangle

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



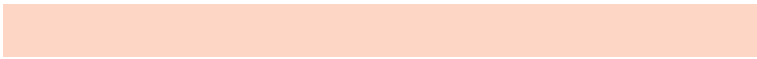
185, 212, 232



182, 209, 246



255, 211, 225



254, 220, 198

Sweetspot

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



185, 212, 232



240, 249, 255



185, 232, 219



119, 124, 128



0, 0, 0



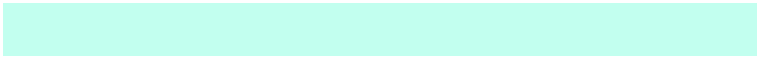
128, 128, 128

Same Dimension

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



185, 212, 232



194, 229, 255



185, 205, 232



103, 110, 115



0, 103, 179



0, 29, 51

Inverse Universe

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



232, 185, 197



255, 194, 210



232, 199, 185



115, 103, 106



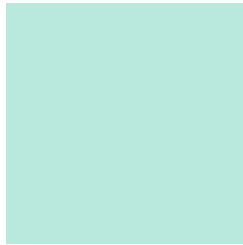
179, 0, 46



51, 0, 13

Previews

White Background



This preview shows how the RYB color 185, 212, 232 looks on a white background.

Color Contrast Check

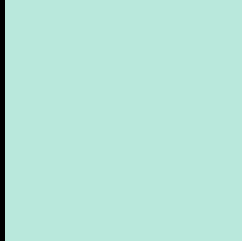
Large Text (above 18pt) WCAG AA × Fail

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 185, 212, 232 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

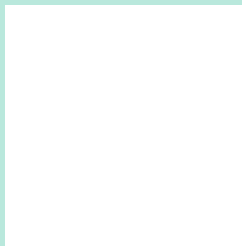
Any Text WCAG AAA ✓ Pass

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

RYB 185, 212, 232 Background



This preview shows how black text looks on a background with the RYB color 185, 212, 232.

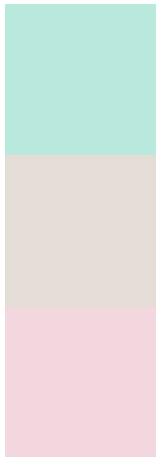


This preview shows how white text looks on a background with the RYB color 185, 212, 232.

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
185, 212, 232

Protanopia
224, 227, 213

Deuteranopia
242, 215, 223



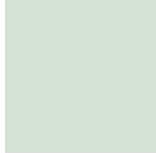
Tritanopia
190, 213, 246

Trichromacy



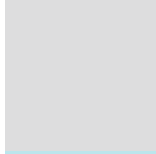
Original Color

185, 212, 232



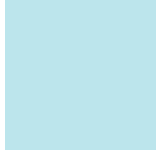
Protanomaly

212, 223, 225



Deuteranomaly

221, 221, 222



Tritanomaly

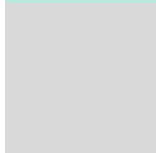
188, 210, 236

Monochromacy



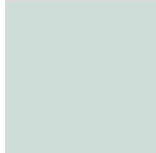
Original Color

185, 212, 232



Achromatopsia

217, 217, 217



Achromatomaly

205, 215, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 212, 232 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(185, 232, 220)` looks like.

```
.text, #text, p{  
    color:rgb(185, 232, 220)  
}
```

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(185, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 232, 220) }
```

Border

The CSS property to change the border of an element to RYB 185, 212, 232 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(185, 232, 220) }
```

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

```
.border{ border-color:rgb(185, 232, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 232, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 232, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 232, 220); box-shadow:4px 4px 4px 4px rgb(185, 232, 220) }
```

Background

The CSS property to change the background color of an element to RYB 185, 212, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 232, 220) }
```

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

```
.background{ background-color: rgb(185,  
232, 220) }
```

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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