

Converting Colors

`RYB(171, 207, 236)`

Have a look what the booklet for
RYB(171, 207, 236) contains.

RYB(171, 207, 236)	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

`RYB(171, 207, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	ABECDF
RGB	171, 236, 223
RGB Percent	67%, 93%, 87%
CMY	0.3294, 0.0745, 0.1241
CMYK	0.28, 0.00, 0.05, 0.07
HSL	168°, 63%, 80%
HSV	168°, 28%, 93%
XYZ	60.1581, 73.9960, 81.1796
YIQ	215.0830, -34.5670, -17.8230

Conversions

Conversions Part 2

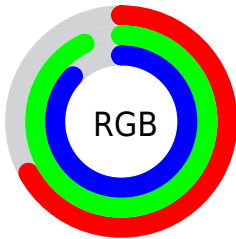
Format	Color
RYB	171, 207, 236
Decimal	11267295
CIELab	88.92, -22.95, -0.46
CIElCh	89, 22.954, 181.138
Yxy	73.9960, 0.2794, 0.3436
Android (android.graphics.Color)	4289457375 (0xFFABECD5)
YUV	215.0830, 3.9031, -38.6608
Hunter-Lab	86.0210, -25.7041, 4.2616

Details

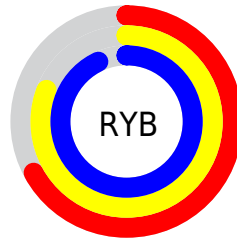
The RYB color **171, 207, 236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **236, 171, 184**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **228, 242, 255**, and **117, 152, 180** is the 20% darker color. If you saturate the color by 10%, you get **147, 196, 236**, and if you desaturate by 10%, it is **195, 218, 236**.

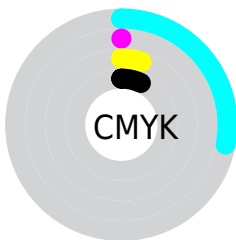
Distribution



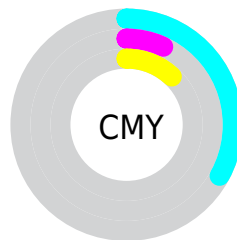
- Red (67%)
- Green (93%)
- Blue (87%)



- Red (67%)
- Yellow (81%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (33%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 207, 236 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 171, 207, 236 by changing the saturation by 10% instead.

 171, 207, 236


255, 255, 255

 228, 242, 255

 171, 207, 236

 144, 180, 208

 117, 152, 180


 90, 125, 153

 64, 99, 127

 38, 73, 102

 4, 43, 77


 0, 29, 54

 0, 19, 33


 0, 0, 0

 171, 207, 236


 171, 207, 236

 147, 196, 236


 195, 218, 236

 124, 186, 236


 218, 228, 236

 100, 175, 236


 242, 236, 237

 77, 165, 236

 255, 236, 242

 53, 154, 236

 255, 236, 246

 29, 144, 236

 255, 236, 251

 6, 133, 236

 255, 236, 255

 0, 131, 236

Harmonies

Analogous

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



191, 225, 234



171, 207, 236



164, 202, 245

Triad

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



171, 207, 236



228, 217, 255



255, 236, 186

Complementary

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



171, 207, 236



236, 171, 184

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, 211, 202



171, 207, 236



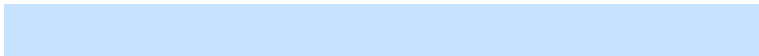
253, 211, 245

Square

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



171, 207, 236



199, 217, 255



255, 208, 223



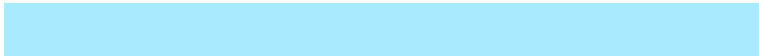
206, 240, 180

Rectangle

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



171, 207, 236



169, 206, 255



255, 208, 223



255, 226, 190

Sweetspot

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



171, 207, 236



235, 246, 255



171, 236, 223



115, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 207, 236



171, 217, 255



171, 198, 236



106, 112, 117



0, 100, 181



0, 30, 54

Inverse Universe

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



236, 171, 184



255, 171, 187



236, 198, 171



117, 106, 108



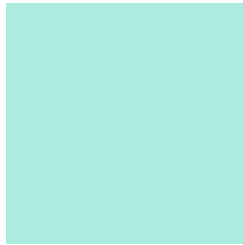
181, 0, 35



54, 0, 10

Previews

White Background



This preview shows how the RYB color 171, 207, 236 looks on a white background.

Color Contrast Check

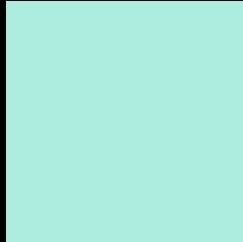
Large Text (above 18pt) WCAG AA × Fail

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 171, 207, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

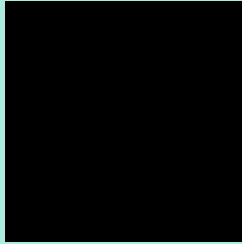
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

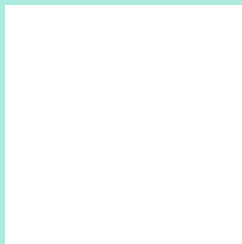
Any Text WCAG AAA ✓ Pass

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

RYB 171, 207, 236 Background



This preview shows how black text looks on a background with the RYB color 171, 207, 236.



This preview shows how white text looks on a background with the RYB color 171, 207, 236.

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





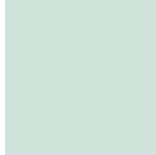
Tritanopia
177, 209, 251

Trichromacy



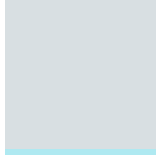
Original Color

171, 207, 236



Protanomaly

207, 220, 227



Deuteranomaly

216, 220, 226



Tritanomaly

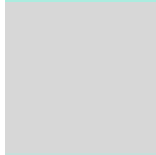
175, 206, 241

Monochromacy



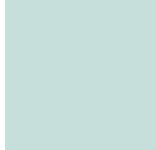
Original Color

171, 207, 236



Achromatopsia

215, 215, 215



Achromatomaly

199, 212, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 207, 236 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(171, 236, 223)` looks like.

```
.text, #text, p{  
    color:rgb(171, 236, 223)  
}
```

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(171, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 236, 223) }
```

Border

The CSS property to change the border of an element to RYB 171, 207, 236 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(171, 236, 223) }
```

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

```
.border{ border-color:rgb(171, 236, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 236, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 236, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 236, 223); box-shadow:4px 4px 4px 4px rgb(171, 236, 223) }
```

Background

The CSS property to change the background color of an element to RYB 171, 207, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 236, 223) }
```

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

```
.background{ background-color: rgb(171,  
236, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor