

Converting Colors

`RYB(171, 205, 238)`

Have a look what the booklet for
RYB(171, 205, 238) contains.

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Color

R_YB(171, 205, 238)

Conversions

Conversions Part 1

Format	Color
Hex	ABEEEC
RGB	171, 238, 236
RGB Percent	67%, 93%, 93%
CMY	0.3294, 0.0667, 0.0744
CMYK	0.28, 0.00, 0.01, 0.07
HSL	178°, 66%, 80%
HSV	178°, 28%, 93%
XYZ	62.5137, 75.8648, 90.7278
YIQ	217.7390, -39.2900, -14.8260

Conversions

Conversions Part 2

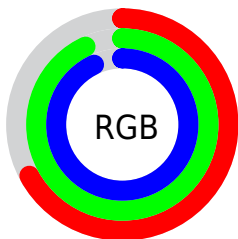
Format	Color
RYB	171, 205, 238
Decimal	11267820
CIELab	89.80, -21.19, -5.79
CIELCh	90, 21.971, 195.290
Yxy	75.8648, 0.2729, 0.3311
Android (android.graphics.Color)	4289457900 (0xFFABEEEC)
YUV	217.7390, 9.0027, -40.9901
Hunter-Lab	87.1004, -24.3127, -0.7889

Details

The RYB color **171, 205, 238** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **238, 171, 173**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **228, 242, 255**, and **116, 150, 182** is the 20% darker color. If you saturate the color by 10%, you get **147, 193, 238**, and if you desaturate by 10%, it is **195, 217, 238**.

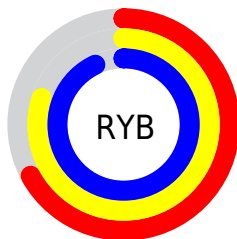
Distribution



Red (67%)

Green (93%)

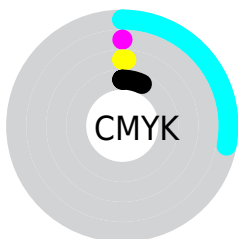
Blue (93%)



Red (67%)

Yellow (80%)

Blue (93%)

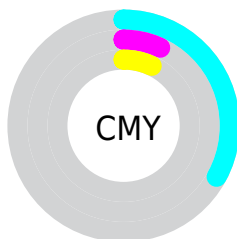


Cyan (28%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (33%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 205, 238 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, 205, 238 by changing the saturation by 10% instead.

■ 171, 205, 238

255, 255, 255

■ 228, 242, 255

■ 171, 205, 238

■ 143, 177, 210

■ 116, 150, 182

■ 90, 123, 155

■ 63, 96, 129

■ 35, 70, 104

■ 0, 40, 79


■ 0, 28, 56

■ 0, 17, 34

■ 0, 1, 13

 171, 205, 238


 171, 205, 238

 147, 193, 238


 195, 217, 238

 123, 181, 238


 219, 229, 238

 100, 170, 238


 242, 238, 238

 76, 158, 238

 255, 238, 239

 52, 146, 238

 255, 238, 240

 28, 135, 238

 255, 238, 241

 4, 123, 238

 255, 238, 242

 0, 121, 238

Harmonies

Analogous

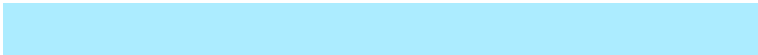
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



185, 218, 237



171, 205, 238



172, 208, 255

Triad

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



171, 205, 238



243, 217, 255



244, 252, 186

Complementary

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



171, 205, 238



238, 171, 173

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, 223, 197



171, 205, 238



255, 212, 237

Square

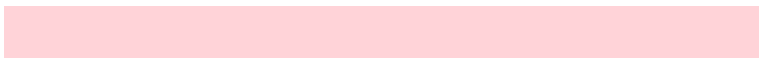
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



171, 205, 238



216, 223, 255



255, 211, 216



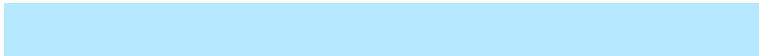
188, 231, 185

Rectangle

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



171, 205, 238



182, 212, 255



255, 211, 216



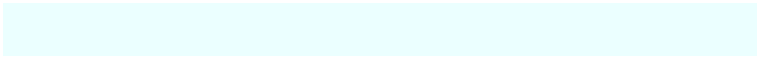
255, 246, 188

Sweetspot

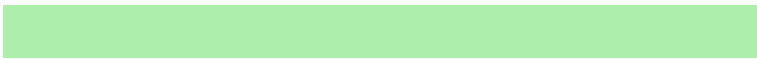
The Sweet Spot groups the original color and five complimentary colors.



171, 205, 238



235, 245, 255



171, 238, 236



115, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

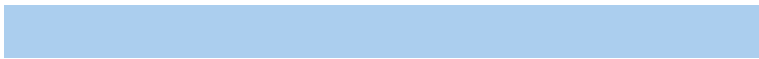
The Same Dimension uses a secret algorithm to generate beautiful new colors.



171, 205, 238



168, 212, 255



171, 194, 238



108, 114, 120



0, 94, 184



0, 29, 56

Inverse Universe

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



238, 171, 173



255, 168, 171



238, 229, 171



120, 108, 108



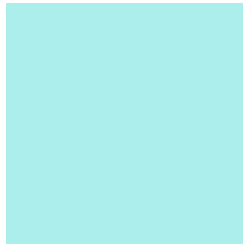
184, 0, 5



56, 0, 2

Previews

White Background



This preview shows how the RYB color 171, 205, 238 looks on a white background.

Color Contrast Check

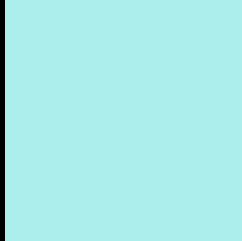
Large Text (above 18pt) WCAG AA × Fail

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, 205, 238 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, 205, 238 Background



This preview shows how black text looks on a background with the RYB color 171, 205, 238.



This preview shows how white text looks on a background with the RYB color 171, 205, 238.

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





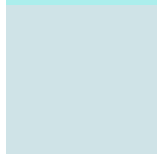
Tritanopia
175, 209, 254

Trichromacy



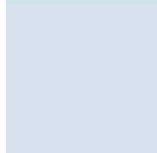
Original Color

171, 205, 238



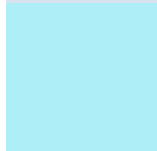
Protanomaly

207, 218, 231



Deuteranomaly

215, 222, 239



Tritanomaly

174, 208, 247

Monochromacy



Original Color

171, 205, 238



Achromatopsia

218, 218, 218



Achromatomaly

201, 213, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 205, 238 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, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(171, 238, 236)  
}
```

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, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 238, 236) }
```

Border

The CSS property to change the border of an element to RYB 171, 205, 238 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, 238, 236) }
```

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

```
.border{ border-color:rgb(171, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(171, 238,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 171, 205, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 238, 236) }
```

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

```
.background{ background-color: rgb(171,  
238, 236) }
```

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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