

Converting Colors

`RYB(170, 221, 244)`

Have a look what the booklet for
RYB(170, 221, 244) contains.

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Color

R_YB(170, 221, 244)

Conversions

Conversions Part 1

Format	Color
Hex	AAF4CB
RGB	170, 244, 203
RGB Percent	67%, 96%, 80%
CMY	0.3333, 0.0431, 0.2025
CMYK	0.30, 0.00, 0.17, 0.04
HSL	147°, 77%, 81%
HSV	147°, 30%, 96%
XYZ	59.7522, 77.5770, 68.5576
YIQ	217.2000, -30.9430, -28.4390

Conversions

Conversions Part 2

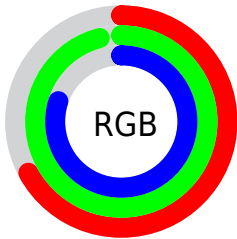
Format	Color
RYB	170, 221, 244
Decimal	11203787
CIELab	90.59, -31.10, 12.35
CIELCh	91, 33.460, 158.341
Yxy	77.5770, 0.2902, 0.3768
Android (android.graphics.Color)	4289393867 (0xFFAAF4CB)
YUV	217.2000, -7.0006, -41.3944
Hunter-Lab	88.0778, -33.0413, 15.5046

Details

The RYB color **170, 221, 244** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **244, 170, 211**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **227, 241, 255**, and **116, 164, 187** is the 20% darker color. If you saturate the color by 10%, you get **146, 214, 244**, and if you desaturate by 10%, it is **194, 228, 244**.

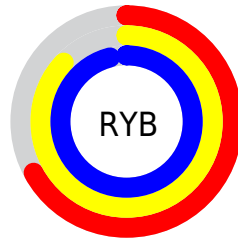
Distribution



Red (67%)

Green (96%)

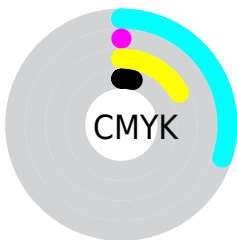
Blue (80%)



Red (67%)

Yellow (87%)

Blue (96%)

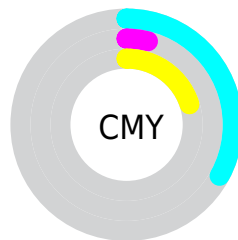


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (4%)



Cyan (33%)

Magenta (4%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 221, 244 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 170, 221, 244 by changing the saturation by 10% instead.

 170, 221, 244


255, 255, 255


 227, 241, 255

 170, 221, 244


 142, 192, 215

 116, 164, 187


 89, 137, 160

 63, 111, 134

 35, 82, 108

 0, 51, 83

 0, 40, 60

 0, 32, 38

 0, 4, 4

 170, 221, 244


 170, 221, 244

 146, 214, 244


 194, 228, 244

 121, 206, 244


 219, 236, 244


 97, 198, 244


 243, 244, 244

 72, 190, 244

 255, 244, 255

 48, 183, 244

 24, 176, 244

 0, 168, 244

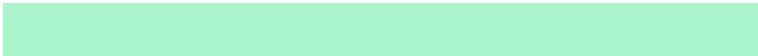
Harmonies

Analogous

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



177, 238, 208



170, 221, 244



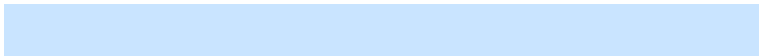
140, 196, 246

Triad

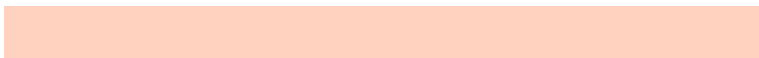
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



170, 221, 244



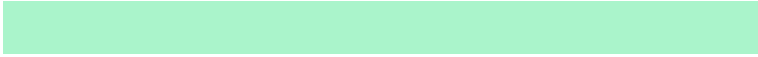
201, 219, 255



255, 217, 190

Complementary

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



170, 221, 244



244, 170, 211

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, 205, 220



170, 221, 244



244, 217, 255

Square

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



170, 221, 244



157, 201, 255



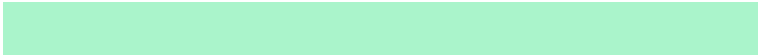
255, 208, 252



234, 255, 169

Rectangle

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



170, 221, 244



131, 190, 255



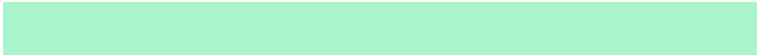
255, 208, 252



255, 208, 199

Sweetspot

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



170, 221, 244



232, 248, 255



170, 244, 203



113, 123, 128



0, 0, 0



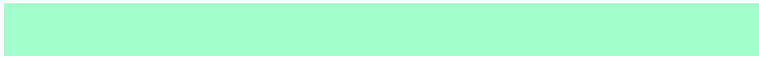
128, 128, 128

Same Dimension

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



170, 221, 244



163, 226, 255



170, 208, 244



110, 118, 122



0, 128, 186



0, 41, 59

Inverse Universe

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



244, 170, 211



255, 163, 214



244, 170, 174



122, 110, 117



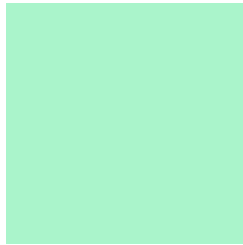
186, 0, 102



59, 0, 32

Previews

White Background



This preview shows how the RYB color 170, 221, 244 looks on a white background.

Color Contrast Check

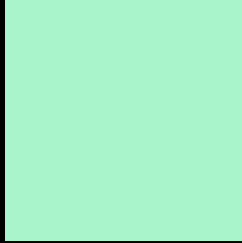
Large Text (above 18pt) WCAG AA × Fail

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 170, 221, 244 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

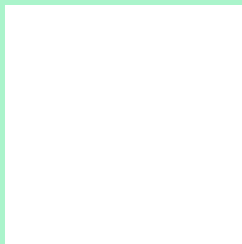
Any Text WCAG AAA ✓ Pass

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

RYB 170, 221, 244 Background



This preview shows how black text looks on a background with the RYB color 170, 221, 244.

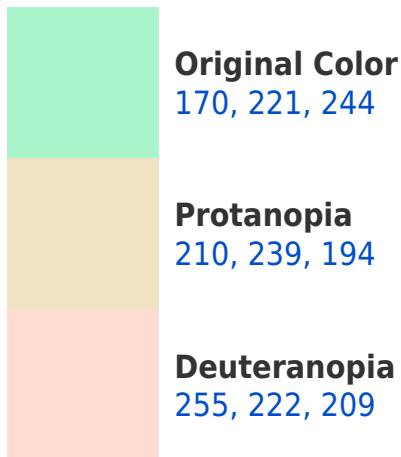


This preview shows how white text looks on a background with the RYB color 170, 221, 244.

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





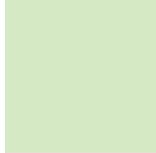
Tritanopia
182, 213, 255

Trichromacy



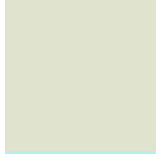
Original Color

170, 221, 244



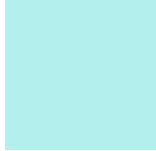
Protanomaly

197, 233, 216



Deuteranomaly

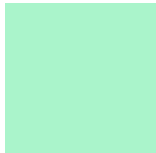
207, 228, 211



Tritanomaly

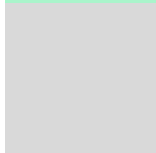
178, 209, 239

Monochromacy



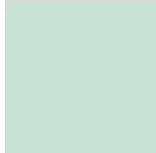
Original Color

170, 221, 244



Achromatopsia

217, 217, 217



Achromatomaly

200, 219, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 221, 244 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(170, 244, 203)` looks like.

```
.text, #text, p{  
    color:rgb(170, 244, 203)  
}
```

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(170, 244, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 244, 203) }
```

Border

The CSS property to change the border of an element to RYB 170, 221, 244 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(170, 244, 203) }
```

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

```
.border{ border-color:rgb(170, 244, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 244, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 244, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 244, 203);  
box-shadow:4px 4px 4px 4px rgb(170, 244,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 170, 221, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 244, 203) }
```

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

```
.background{ background-color: rgb(170,  
244, 203) }
```

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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