

Converting Colors

`RYB(170, 245, 222)`

Have a look what the booklet for
RYB(170, 245, 222) contains.

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Color

R_YB(170, 245, 222)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | C1F5AA |
| RGB | 193, 245, 170 |
| RGB Percent | 76%, 96%, 67% |
| CMY | 0.2431, 0.0392, 0.3333 |
| CMYK | 0.21, 0.00, 0.31, 0.04 |
| HSL | 102°, 79%, 81% |
| HSV | 102°, 31%, 96% |
| XYZ | 61.9004, 79.5446, 50.1213 |
| YIQ | 220.9020, -6.9170, -34.3490 |

Conversions

Conversions Part 2

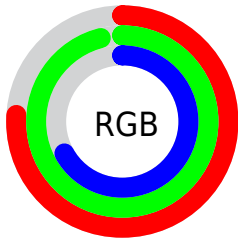
| Format | Color |
|-------------------------------------|--|
| RYB | 170, 245, 222 |
| Decimal | 12711338 |
| CIELab | 91.48, -29.88, 30.89 |
| CIELCh | 91, 42.971, 134.049 |
| Yxy | 79.5446, 0.3231, 0.4152 |
| Android (android.graphics.Color) | 4290901418 (0xFFC1F5AA) |
| YUV | 220.9020, -25.0947, -24.4701 |
| Hunter-Lab | 89.1878, -32.1913, 29.1119 |

Details

The RYB color **170, 245, 222** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **222, 170, 245**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **226, 255, 231**, and **117, 189, 168** is the 20% darker color. If you saturate the color by 10%, you get **146, 245, 215**, and if you desaturate by 10%, it is **195, 245, 230**.

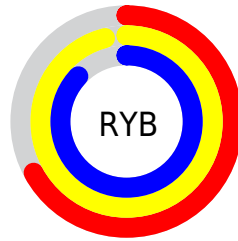
Distribution



Red (76%)

Green (96%)

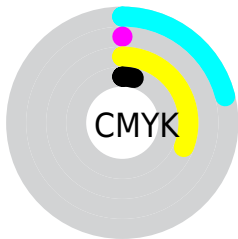
Blue (67%)



Red (67%)

Yellow (96%)

Blue (87%)

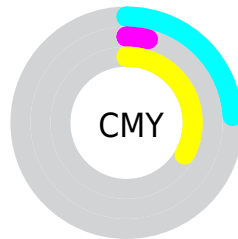


Cyan (21%)

Magenta (0%)

Yellow (31%)

Black (4%)



Cyan (24%)

Magenta (4%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 245, 222 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, 245, 222 by changing the saturation by 10% instead.


 170, 245, 222


255, 255, 255


 226, 255, 231

 170, 245, 222

 143, 216, 194

 117, 189, 168


 92, 161, 141


 68, 135, 117

 44, 109, 92

 21, 85, 71

 0, 61, 54

 0, 39, 39


 0, 10, 10

 170, 245, 222

 170, 245, 222

 146, 245, 215

 195, 245, 230

 121, 245, 207

 219, 245, 237

 97, 245, 200

 243, 245, 244

 72, 245, 192

 255, 245, 255

 48, 245, 185

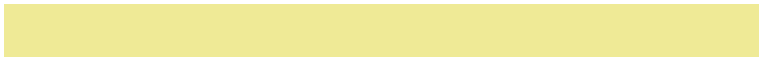
 23, 245, 177

 0, 245, 170

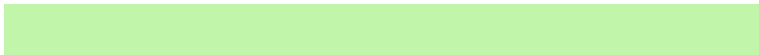
Harmonies

Analogous

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



155, 239, 150



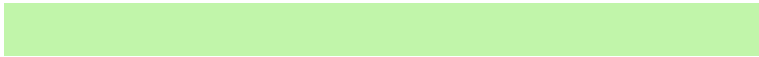
170, 245, 222



143, 211, 251

Triad

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



170, 245, 222



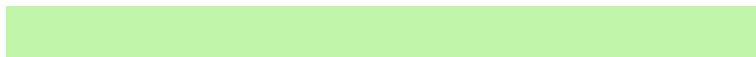
138, 193, 255



255, 199, 212

Complementary

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



170, 245, 222



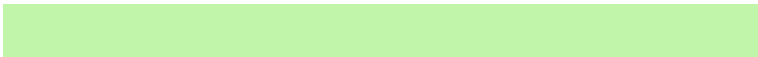
222, 170, 245

Split Complementary

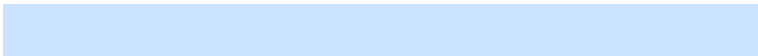
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 202, 254



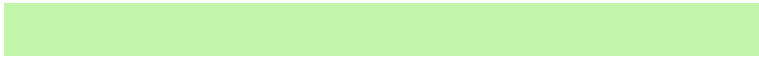
170, 245, 222



204, 220, 255

Square

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



170, 245, 222



86, 169, 255



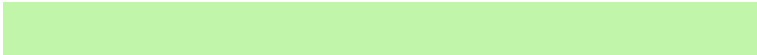
255, 213, 255



255, 228, 175

Rectangle

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



170, 245, 222



110, 186, 253



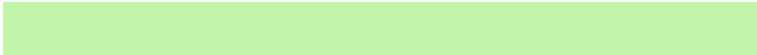
255, 213, 255



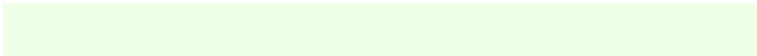
255, 199, 226

Sweetspot

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



170, 245, 222



232, 255, 248



205, 245, 170



113, 128, 123



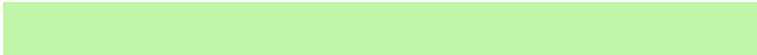
0, 0, 0



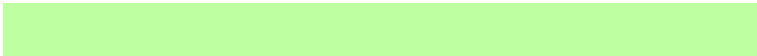
128, 128, 128

Same Dimension

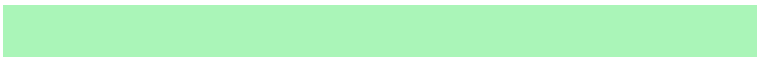
The Same Dimension uses a secret algorithm to generate beautiful new colors.



170, 245, 222



161, 255, 226



170, 233, 245



110, 122, 118



0, 186, 129



0, 59, 41

Inverse Universe

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



222, 170, 245



226, 161, 255



245, 170, 231



119, 110, 122



129, 0, 186



41, 0, 59

Previews

White Background



This preview shows how the RYB color 170, 245, 222 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, 245, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

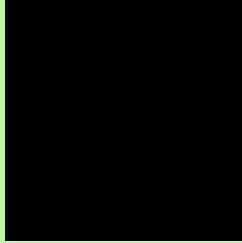
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

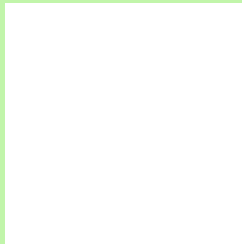
Any Text WCAG AAA ✓ Pass

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

RYB 170, 245, 222 Background



This preview shows how black text looks on a background with the RYB color 170, 245, 222.

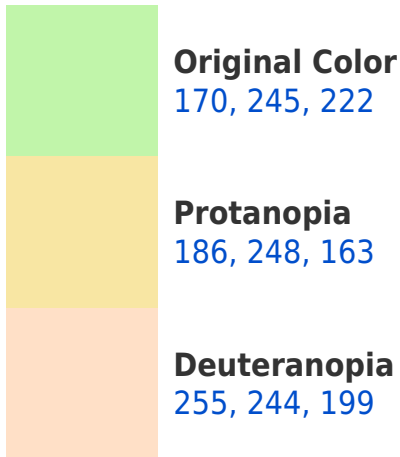


This preview shows how white text looks on a background with the RYB color 170, 245, 222.

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





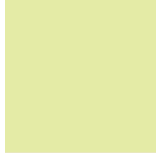
Tritanopia
206, 224, 253

Trichromacy



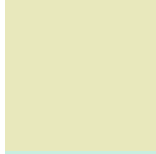
Original Color

170, 245, 222



Protanomaly

166, 235, 173



Deuteranomaly

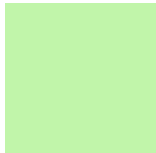
188, 232, 188



Tritanomaly

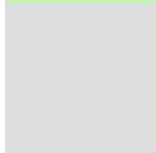
201, 224, 238

Monochromacy



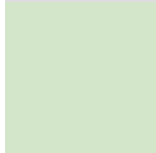
Original Color

170, 245, 222



Achromatopsia

221, 221, 221



Achromatomaly

202, 230, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 245, 222 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(193, 245, 170)` looks like.

```
.text, #text, p{  
    color:rgb(193, 245, 170)  
}
```

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(193, 245, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 245, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 245, 222 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(193, 245, 170) }
```

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

```
.border{ border-color:rgb(193, 245, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 245, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 245, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 245, 170); box-shadow:4px 4px 4px 4px rgb(193, 245, 170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 245, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 245, 170) }
```

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

```
.background{ background-color: rgb(193,  
245, 170) }
```

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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