

Converting Colors

`RYB(170, 247, 240)`

Have a look what the booklet for
RYB(170, 247, 240) contains.

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Color

R_YB(170, 247, 240)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B1F7AA |
| RGB | 177, 247, 170 |
| RGB Percent | 69%, 97%, 67% |
| CMY | 0.3059, 0.0314, 0.3333 |
| CMYK | 0.28, 0.00, 0.31, 0.03 |
| HSL | 115°, 83%, 82% |
| HSV | 115°, 31%, 97% |
| XYZ | 58.6479, 78.7709, 50.1434 |
| YIQ | 217.2920, -17.0030, -38.7870 |

Conversions

Conversions Part 2

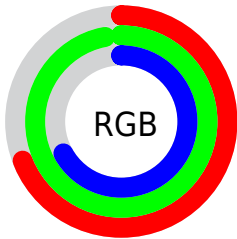
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 170, 247, 240 |
| Decimal | 11663274 |
| CIELab | 91.13, -36.10, 30.26 |
| CIElCh | 91, 47.103, 140.028 |
| Yxy | 78.7709, 0.3127, 0.4200 |
| Android (android.graphics.Color) | 4289853354 (0xFFB1F7AA) |
| YUV | 217.2920, -23.3150, -35.3361 |
| Hunter-Lab | 88.7530, -37.3650, 28.6296 |

Details

The RYB color **170, 247, 240** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **240, 170, 247**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **226, 255, 247**, and **117, 190, 185** is the 20% darker color. If you saturate the color by 10%, you get **145, 247, 237**, and if you desaturate by 10%, it is **195, 247, 243**.

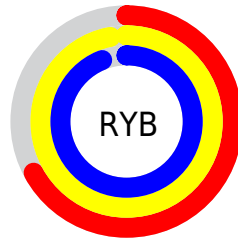
Distribution



Red (69%)

Green (97%)

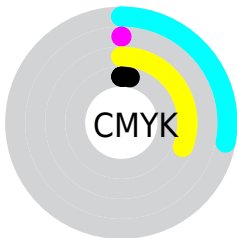
Blue (67%)



Red (67%)

Yellow (97%)

Blue (94%)

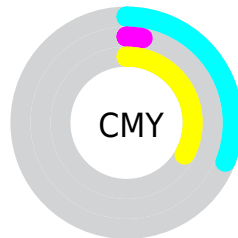


Cyan (28%)

Magenta (0%)

Yellow (31%)

Black (3%)



Cyan (31%)

Magenta (3%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 247, 240 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, 247, 240 by changing the saturation by 10% instead.


 170, 247, 240


255, 255, 255


 226, 255, 247


 170, 247, 240

 143, 218, 212

 117, 190, 185

 92, 163, 159

 68, 136, 135

 42, 109, 111

 9, 76, 86

 0, 62, 62

 0, 40, 40


 0, 8, 8

 170, 247, 240

 170, 247, 240

 145, 247, 237

 195, 247, 243

 121, 247, 236

 219, 247, 244

 96, 247, 233

 244, 247, 247

 71, 247, 231

 255, 247, 255

 46, 247, 228

 22, 247, 227

 0, 247, 225

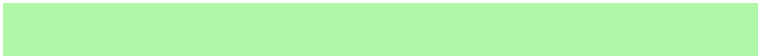
Harmonies

Analogous

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



143, 236, 150



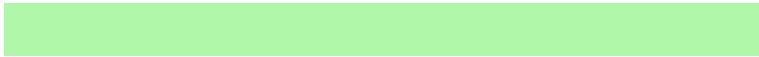
170, 247, 240



118, 198, 253

Triad

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



170, 247, 240



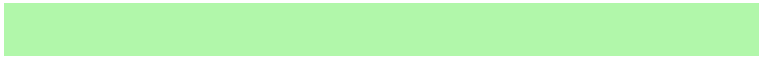
137, 192, 255



255, 196, 201

Complementary

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



170, 247, 240



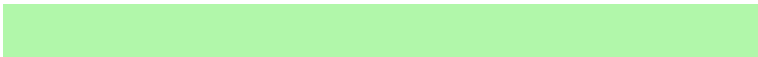
240, 170, 247

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, 196, 247



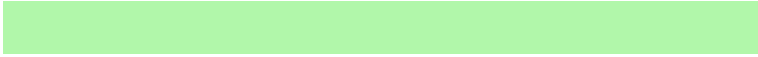
170, 247, 240



213, 221, 255

Square

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



170, 247, 240



55, 153, 255



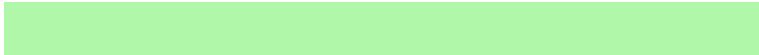
255, 207, 255



255, 246, 162

Rectangle

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



170, 247, 240



74, 167, 254



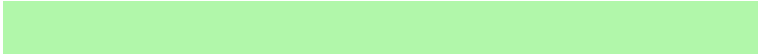
255, 207, 255



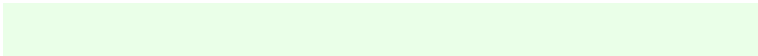
255, 194, 216

Sweetspot

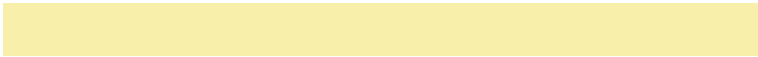
The Sweet Spot groups the original color and five complimentary colors.



170, 247, 240



232, 255, 253



179, 247, 170



113, 128, 126



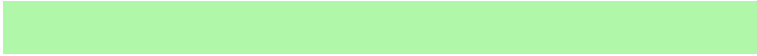
0, 0, 0



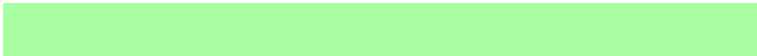
128, 128, 128

Same Dimension

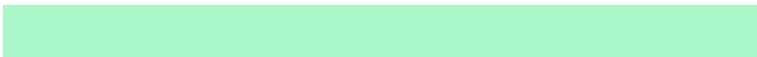
The Same Dimension uses a secret algorithm to generate beautiful new colors.



170, 247, 240



161, 255, 247



170, 225, 247



110, 122, 121



0, 186, 169



0, 59, 54

Inverse Universe

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



240, 170, 247



246, 161, 255



247, 170, 216



121, 110, 122



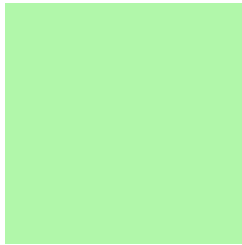
169, 0, 186



53, 0, 59

Previews

White Background



This preview shows how the RYB color 170, 247, 240 looks on a white background.

Color Contrast Check

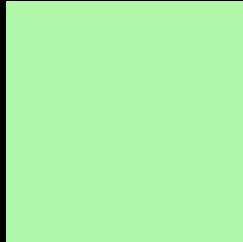
Large Text (above 18pt) WCAG AA × Fail

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, 247, 240 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, 247, 240 Background



This preview shows how black text looks on a background with the RYB color 170, 247, 240.

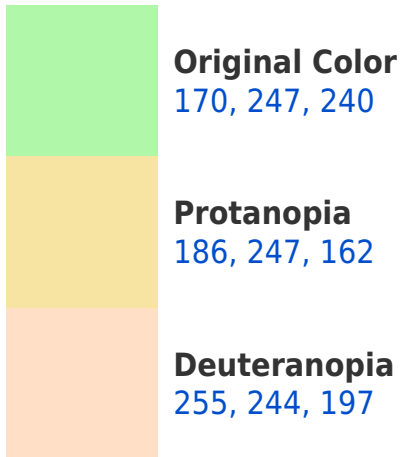


This preview shows how white text looks on a background with the RYB color 170, 247, 240.

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





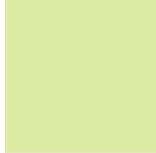
Tritanopia
192, 218, 255

Trichromacy



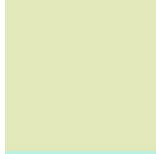
Original Color

170, 247, 240



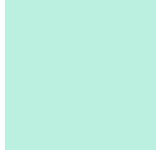
Protanomaly

165, 235, 178



Deuteranomaly

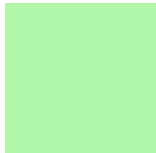
187, 232, 192



Tritanomaly

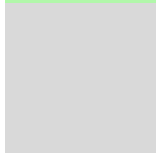
187, 218, 240

Monochromacy



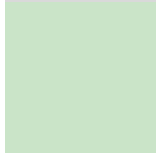
Original Color

170, 247, 240



Achromatopsia

217, 217, 217



Achromatomaly

200, 228, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 247, 240 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(177, 247, 170)` looks like.

```
.text, #text, p{  
    color:rgb(177, 247, 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(177, 247, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 247, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 247, 240 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(177, 247, 170) }
```

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

```
.border{ border-color:rgb(177, 247, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 247, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 247, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 247, 170);  
box-shadow:4px 4px 4px 4px rgb(177, 247,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 247, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 247, 170) }
```

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

```
.background{ background-color: rgb(177,  
247, 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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