

Converting Colors

`RYB(170, 238, 224)`

Have a look what the booklet for
RYB(170, 238, 224) contains.

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Color

R_YB(170, 238, 224)

Conversions

Conversions Part 1

Format	Color
Hex	B8EEAA
RGB	184, 238, 170
RGB Percent	72%, 93%, 67%
CMY	0.2784, 0.0667, 0.3333
CMYK	0.23, 0.00, 0.29, 0.07
HSL	108°, 67%, 80%
HSV	108°, 29%, 93%
XYZ	57.5974, 74.2417, 49.3246
YIQ	214.1020, -10.3560, -32.5960

Conversions

Conversions Part 2

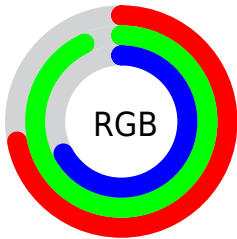
Format	Color
RYB	170, 238, 224
Decimal	12119722
CIELab	89.04, -29.63, 27.50
CIElCh	89, 40.421, 137.139
Yxy	74.2417, 0.3179, 0.4098
Android (android.graphics.Color)	4290309802 (0xFFB8EEAA)
YUV	214.1020, -21.7423, -26.3995
Hunter-Lab	86.1636, -31.4653, 26.3738

Details

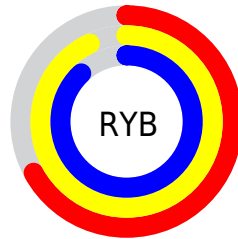
The RYB color **170, 238, 224** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **224, 170, 238**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **226, 255, 240**, and **117, 182, 169** is the 20% darker color. If you saturate the color by 10%, you get **146, 238, 219**, and if you desaturate by 10%, it is **194, 238, 229**.

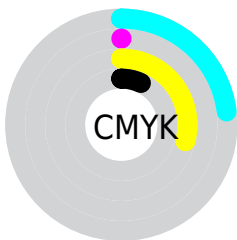
Distribution



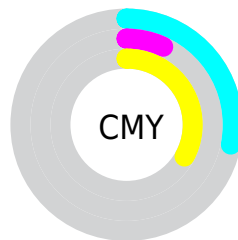
- Red (72%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (88%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (28%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 238, 224 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, 238, 224 by changing the saturation by 10% instead.

 170, 238, 224


255, 255, 255


 226, 255, 240


254, 255, 254

 170, 238, 224

 143, 210, 196

 117, 182, 169


 92, 155, 143

 68, 129, 119

 45, 103, 95

 22, 79, 74

 0, 55, 55

 0, 35, 35

 0, 0, 0

■ 170, 238, 224

■ 170, 238, 224

■ 146, 238, 219

■ 194, 238, 229

■ 122, 238, 214

■ 218, 238, 234

■ 99, 238, 210

■ 241, 238, 241

■ 75, 238, 205

■ 255, 238, 255

■ 51, 238, 199

■ 27, 238, 194

■ 3, 238, 189

■ 0, 238, 189

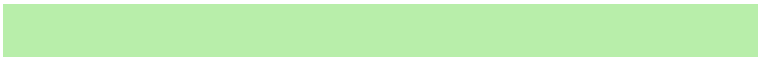
Harmonies

Analogous

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



149, 228, 149



170, 238, 224



138, 203, 244

Triad

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



170, 238, 224



145, 194, 255



255, 195, 203

Complementary

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



170, 238, 224



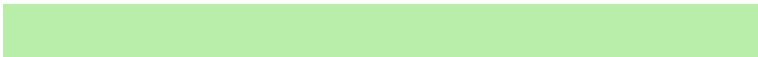
224, 170, 238

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, 242



170, 238, 224



205, 217, 255

Square

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



170, 238, 224



97, 172, 255



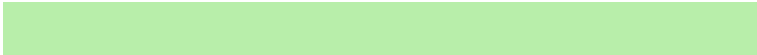
255, 206, 255



255, 225, 169

Rectangle

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



170, 238, 224



109, 180, 245



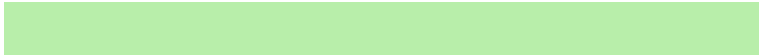
255, 206, 255



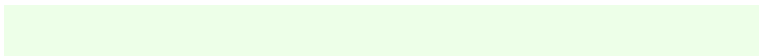
255, 194, 216

Sweetspot

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



170, 238, 224



232, 255, 250



189, 238, 170



113, 128, 125



0, 0, 0



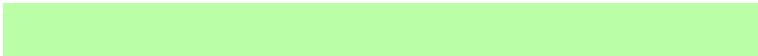
128, 128, 128

Same Dimension

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



170, 238, 224



168, 255, 237



170, 223, 238



108, 120, 118



0, 184, 146



0, 56, 44

Inverse Universe

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



224, 170, 238



237, 168, 255



238, 170, 219



117, 108, 120



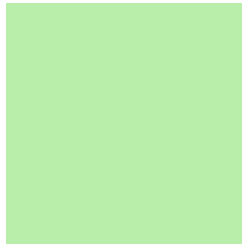
146, 0, 184



45, 0, 56

Previews

White Background



This preview shows how the RYB color 170, 238, 224 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, 238, 224 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, 238, 224 Background



This preview shows how black text looks on a background with the RYB color 170, 238, 224.



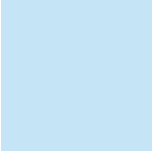
This preview shows how white text looks on a background with the RYB color 170, 238, 224.

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





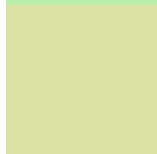
Tritanopia
197, 216, 246

Trichromacy



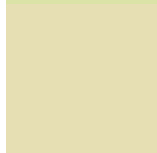
Original Color

170, 238, 224



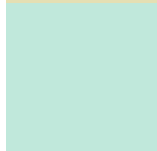
Protanomaly

166, 228, 175



Deuteranomaly

186, 229, 179



Tritanomaly

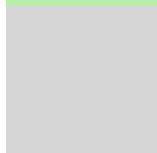
192, 216, 232

Monochromacy



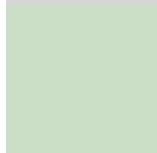
Original Color

170, 238, 224



Achromatopsia

214, 214, 214



Achromatomaly

198, 223, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 238, 224 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(184, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(184, 238, 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(184, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 238, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 238, 224 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(184, 238, 170) }
```

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

```
.border{ border-color:rgb(184, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(184, 238,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 238, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 238, 170) }
```

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

```
.background{ background-color: rgb(184,  
238, 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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