

Converting Colors

`RYB(170, 236, 228)`

Have a look what the booklet for
RYB(170, 236, 228) contains.

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Color

R_YB(170, 236, 228)

Conversions

Conversions Part 1

Format	Color
Hex	B2ECAA
RGB	178, 236, 170
RGB Percent	70%, 93%, 67%
CMY	0.3020, 0.0745, 0.3333
CMYK	0.25, 0.00, 0.28, 0.07
HSL	113°, 63%, 80%
HSV	113°, 28%, 93%
XYZ	55.6112, 72.3582, 49.0657
YIQ	211.1340, -13.3820, -32.8220

Conversions

Conversions Part 2

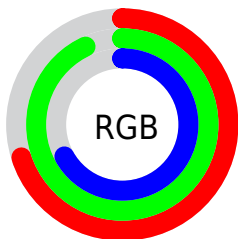
Format	Color
RYB	170, 236, 228
Decimal	11725994
CIELab	88.14, -30.69, 26.22
CIELCh	88, 40.364, 139.490
Yxy	72.3582, 0.3141, 0.4087
Android (android.graphics.Color)	4289916074 (0xFFB2ECAA)
YUV	211.1340, -20.2791, -29.0585
Hunter-Lab	85.0636, -32.1650, 25.3453

Details

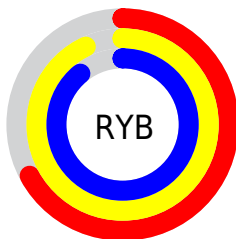
The RYB color **170, 236, 228** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **228, 170, 236**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **226, 255, 246**, and **117, 180, 173** is the 20% darker color. If you saturate the color by 10%, you get **146, 236, 225**, and if you desaturate by 10%, it is **194, 236, 231**.

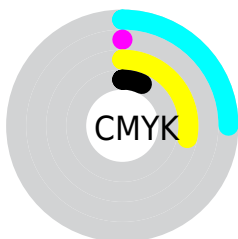
Distribution



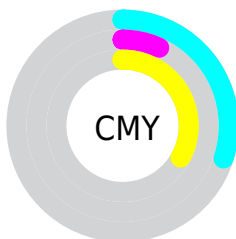
- Red (70%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (30%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 236, 228 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, 236, 228 by changing the saturation by 10% instead.

 170, 236, 228

255, 255, 255


 226, 255, 246


254, 255, 254

 170, 236, 228


 143, 208, 200

 117, 180, 173


 92, 153, 147

 68, 127, 123

 45, 101, 99

 20, 74, 77

 0, 54, 54

 0, 34, 34

 0, 0, 0

 170, 236, 228

 170, 236, 228

 146, 236, 225

 194, 236, 231

 123, 236, 222

 217, 236, 234

 99, 236, 219

 240, 236, 241

 76, 236, 217

 255, 236, 255

 52, 236, 214

 28, 236, 210

 5, 236, 208

 0, 236, 207

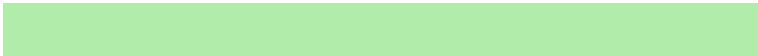
Harmonies

Analogous

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



148, 227, 153



170, 236, 228



132, 197, 241

Triad

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



170, 236, 228



147, 194, 255



255, 193, 197

Complementary

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



170, 236, 228



228, 170, 236

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, 193, 236



170, 236, 228



207, 215, 255

Square

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



170, 236, 228



96, 171, 255



255, 203, 255



255, 226, 164

Rectangle

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



170, 236, 228



103, 175, 242



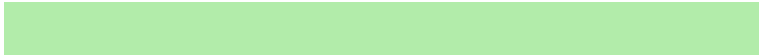
255, 203, 255



255, 192, 210

Sweetspot

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



170, 236, 228



235, 255, 253



180, 236, 170



115, 128, 127



0, 0, 0



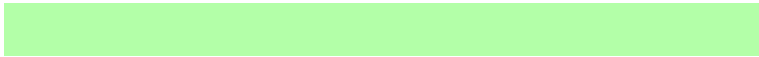
128, 128, 128

Same Dimension

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



170, 236, 228



168, 255, 244



170, 218, 236



106, 117, 116



0, 181, 159



0, 54, 48

Inverse Universe

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



228, 170, 236



244, 168, 255



236, 170, 212



116, 106, 117



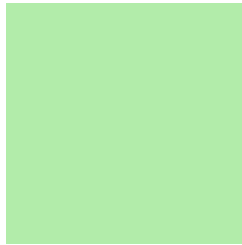
159, 0, 181



47, 0, 54

Previews

White Background



This preview shows how the RYB color 170, 236, 228 looks on a white background.

Color Contrast Check

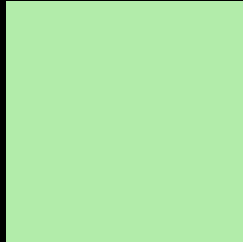
Large Text (above 18pt) WCAG AA × Fail

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, 236, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

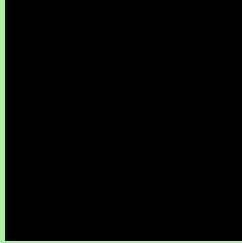
Any Text WCAG AA ✓ Pass

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, 236, 228 Background



This preview shows how black text looks on a background with the RYB color 170, 236, 228.

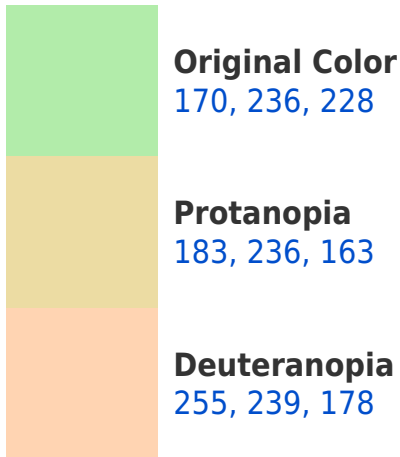


This preview shows how white text looks on a background with the RYB color 170, 236, 228.

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





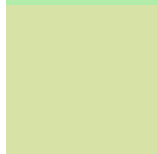
Tritanopia
191, 212, 244

Trichromacy



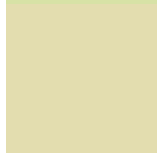
Original Color

170, 236, 228



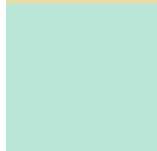
Protanomaly

166, 226, 177



Deuteranomaly

182, 227, 175



Tritanomaly

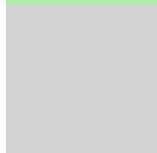
186, 212, 230

Monochromacy



Original Color

170, 236, 228



Achromatopsia

211, 211, 211



Achromatomaly

196, 220, 217

CSS Examples

Text

The CSS property to change the color of the text to RGB 170, 236, 228 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(178, 236, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 236, 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(178, 236, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 236, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 236, 228 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(178, 236, 170) }
```

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

```
.border{ border-color:rgb(178, 236, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 236, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 236, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 236, 170); box-shadow:4px 4px 4px 4px rgb(178, 236, 170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 236, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 236, 170) }
```

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

```
.background{ background-color: rgb(178,  
236, 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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