

Converting Colors

`RYB(170, 238, 196)`

Have a look what the booklet for
RYB(170, 238, 196) contains.

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Color

R_YB(170, 238, 196)

Conversions

Conversions Part 1

Format	Color
Hex	D4EEAA
RGB	212, 238, 170
RGB Percent	83%, 93%, 67%
CMY	0.1686, 0.0667, 0.3333
CMYK	0.11, 0.00, 0.29, 0.07
HSL	83°, 67%, 80%
HSV	83°, 29%, 93%
XYZ	64.9816, 78.0484, 49.6702
YIQ	222.4740, 6.3320, -26.6600

Conversions

Conversions Part 2

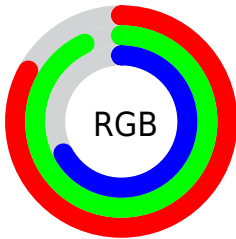
Format	Color
RYB	170, 238, 196
Decimal	13954730
CIELab	90.80, -19.88, 30.18
CIElCh	91, 36.140, 123.371
Yxy	78.0484, 0.3372, 0.4050
Android (android.graphics.Color)	4292144810 (0xFFD4EEAA)
YUV	222.4740, -25.8697, -9.1857
Hunter-Lab	88.3450, -23.3092, 28.5069

Details

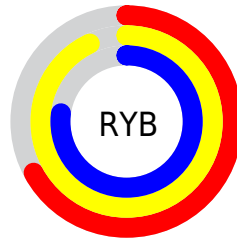
The RYB color **170, 238, 196** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **196, 170, 238**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **226, 255, 226**, and **117, 182, 142** is the 20% darker color. If you saturate the color by 10%, you get **146, 238, 181**, and if you desaturate by 10%, it is **194, 238, 211**.

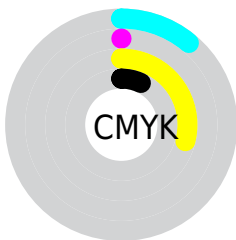
Distribution



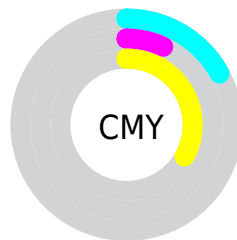
- Red (83%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (77%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 238, 196 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, 196 by changing the saturation by 10% instead.

 170, 238, 196


255, 255, 255

 226, 255, 226

 170, 238, 196


 143, 210, 169

 117, 182, 142

 92, 155, 117

 68, 129, 93

 44, 104, 69

 21, 80, 46

 0, 57, 25

 0, 35, 28

 0, 5, 5

■ 170, 238, 196

■ 170, 238, 196

■ 146, 238, 181

■ 194, 238, 211

■ 122, 238, 166

■ 218, 238, 226

■ 99, 238, 152

■ 239, 238, 241

■ 75, 238, 137

■ 248, 238, 255

■ 51, 238, 123

■ 255, 238, 255

■ 27, 238, 108

■ 3, 238, 93

■ 0, 238, 91

Harmonies

Analogous

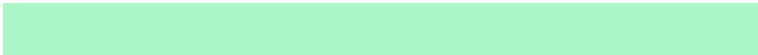
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



186, 249, 159



170, 238, 196



172, 226, 245

Triad

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



170, 238, 196



142, 195, 255



255, 203, 226

Complementary

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



170, 238, 196



196, 170, 238

Split Complementary

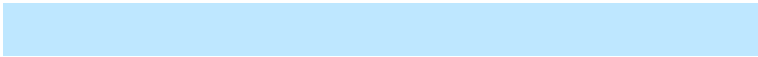
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 208, 255



170, 238, 196



190, 215, 255

Square

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



170, 238, 196



119, 185, 255



239, 218, 255



255, 210, 192

Rectangle

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



170, 238, 196



146, 205, 247



239, 218, 255



255, 204, 238

Sweetspot

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



170, 238, 196



232, 255, 241



238, 210, 170



113, 128, 119



0, 0, 0



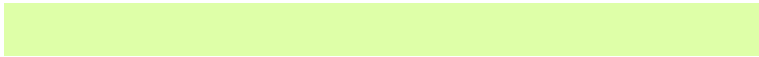
128, 128, 128

Same Dimension

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



170, 238, 196



168, 255, 201



170, 238, 229



108, 120, 113



0, 184, 71



0, 56, 21

Inverse Universe

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



196, 170, 238



201, 168, 255



229, 170, 238



112, 108, 120



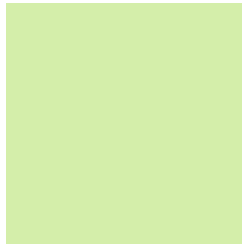
70, 0, 184



21, 0, 56

Previews

White Background



This preview shows how the RYB color 170, 238, 196 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, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

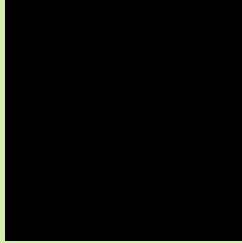
Any Text WCAG AA ✓ Pass

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, 196 Background



This preview shows how black text looks on a background with the RYB color 170, 238, 196.

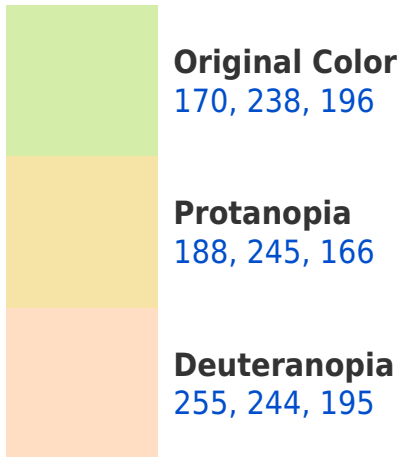


This preview shows how white text looks on a background with the RYB color 170, 238, 196.

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](#).

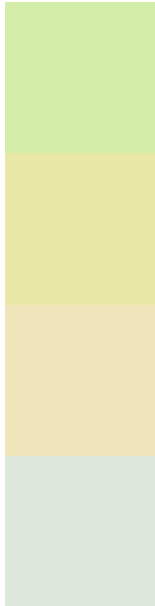
Dichromacy





Tritanopia
223, 227, 246

Trichromacy



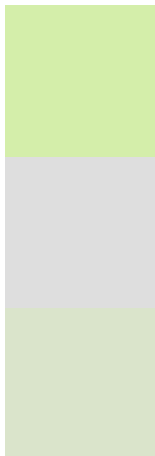
Original Color
170, 238, 196

Protanomaly
168, 233, 167

Deuteranomaly
200, 239, 186

Tritanomaly
218, 232, 231

Monochromacy



Original Color
170, 238, 196

Achromatopsia
222, 222, 222

Achromatomaly
203, 228, 213

CSS Examples

Text

The CSS property to change the color of the text to RGB 170, 238, 196 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(212, 238, 170) looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 238, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 238, 196 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(212, 238, 170) }
```

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

```
.border{ border-color:rgb(212, 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(212, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(212, 238,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 238, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 238, 170) }
```

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

```
.background{ background-color: rgb(212,  
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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