

Converting Colors

`RYB(170, 238, 208)`

Have a look what the booklet for
RYB(170, 238, 208) contains.

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Color

R_YB(170, 238, 208)

Conversions

Conversions Part 1

Format	Color
Hex	C8EEAA
RGB	200, 238, 170
RGB Percent	78%, 93%, 67%
CMY	0.2157, 0.0667, 0.3333
CMYK	0.16, 0.00, 0.29, 0.07
HSL	94°, 67%, 80%
HSV	94°, 29%, 93%
XYZ	61.6497, 76.3307, 49.5142
YIQ	218.8860, -0.8200, -29.2040

Conversions

Conversions Part 2

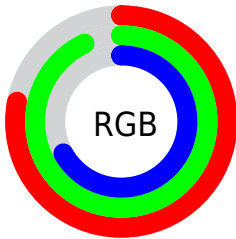
Format	Color
RYB	170, 238, 208
Decimal	13168298
CIELab	90.01, -24.14, 28.98
CIElCh	90, 37.717, 129.790
Yxy	76.3307, 0.3288, 0.4071
Android (android.graphics.Color)	4291358378 (0xFFC8EEAA)
YUV	218.8860, -24.1008, -16.5630
Hunter-Lab	87.3674, -26.9369, 27.5555

Details

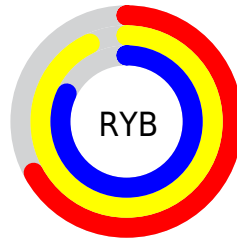
The RYB color **170, 238, 208** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **208, 170, 238**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **226, 255, 226**, and **117, 182, 154** is the 20% darker color. If you saturate the color by 10%, you get **146, 238, 197**, and if you desaturate by 10%, it is **194, 238, 219**.

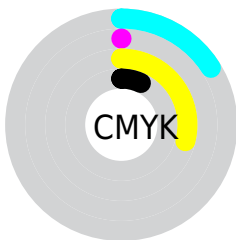
Distribution



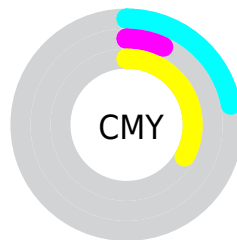
- Red (78%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (82%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 238, 208 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, 208 by changing the saturation by 10% instead.

 170, 238, 208

255, 255, 255


 226, 255, 226


254, 255, 254

 170, 238, 208

 143, 210, 181

 117, 182, 154


 92, 155, 128

 68, 129, 104

 45, 104, 80

 22, 79, 57

 0, 56, 35

 0, 35, 35

 0, 0, 0

 170, 238, 208

 170, 238, 208

 146, 238, 197

 194, 238, 219

 122, 238, 187

 218, 238, 229

 99, 238, 177

 240, 238, 241

 75, 238, 166

 253, 238, 255

 51, 238, 156

 255, 238, 255

 27, 238, 145

 3, 238, 134

 0, 238, 133

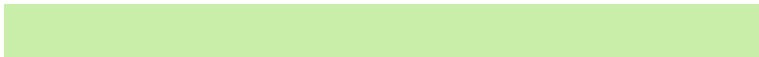
Harmonies

Analogous

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



169, 240, 155



170, 238, 208



158, 216, 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, 208



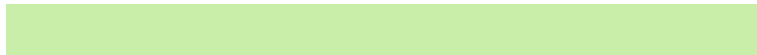
144, 195, 255



255, 199, 216

Complementary

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



170, 238, 208



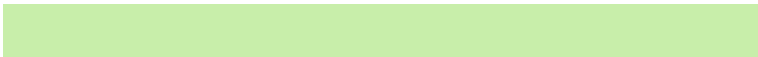
208, 170, 238

Split Complementary

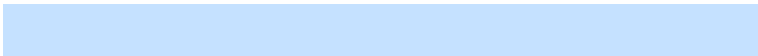
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 203, 252



170, 238, 208



197, 216, 255

Square

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



170, 238, 208



110, 180, 255



247, 213, 255



255, 216, 182

Rectangle

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



170, 238, 208



131, 194, 246



247, 213, 255



255, 200, 228

Sweetspot

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



170, 238, 208



232, 255, 245



227, 238, 170



113, 128, 121



0, 0, 0



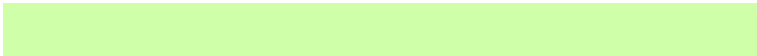
128, 128, 128

Same Dimension

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



170, 238, 208



168, 255, 216



170, 235, 238



108, 120, 115



0, 184, 103



0, 56, 31

Inverse Universe

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



208, 170, 238



217, 168, 255



238, 170, 235



115, 108, 120



103, 0, 184



31, 0, 56

Previews

White Background



This preview shows how the RYB color 170, 238, 208 looks on a white background.

Color Contrast Check

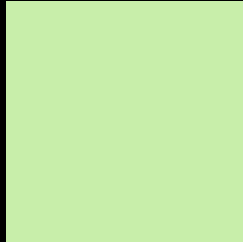
Large Text (above 18pt) WCAG AA × Fail

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, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

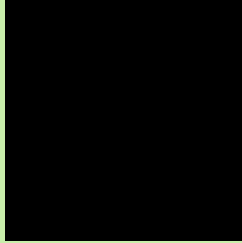
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

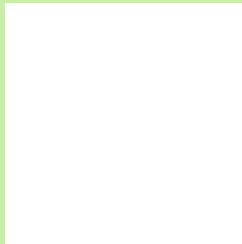
Any Text WCAG AAA ✓ Pass

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

RYB 170, 238, 208 Background



This preview shows how black text looks on a background with the RYB color 170, 238, 208.

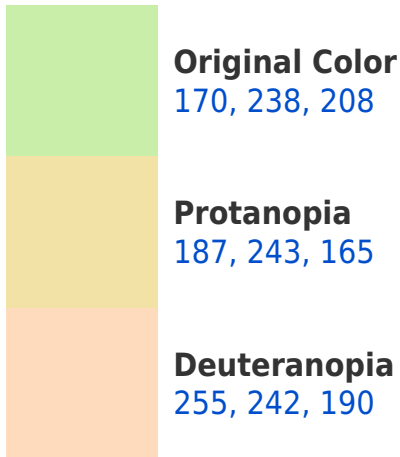


This preview shows how white text looks on a background with the RYB color 170, 238, 208.

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

212, 223, 246

Trichromacy



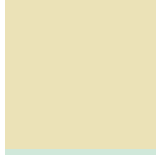
Original Color

170, 238, 208



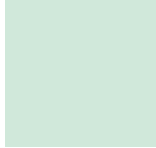
Protanomaly

167, 230, 170



Deuteranomaly

194, 235, 183



Tritanomaly

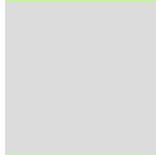
208, 225, 232

Monochromacy



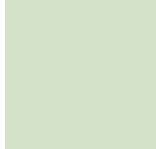
Original Color

170, 238, 208



Achromatopsia

219, 219, 219



Achromatomaly

201, 226, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 238, 208 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(200, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 238, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 238, 208 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(200, 238, 170) }
```

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

```
.border{ border-color:rgb(200, 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(200, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(200, 238,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 238, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 238, 170) }
```

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

```
.background{ background-color: rgb(200,  
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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