

Converting Colors

`RYB(170, 238, 171)`

Have a look what the booklet for
RYB(170, 238, 171) contains.

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Color

R_YB(170, 238, 171)

Conversions

Conversions Part 1

Format	Color
Hex	EDEEAA
RGB	237, 238, 170
RGB Percent	93%, 93%, 67%
CMY	0.0706, 0.0667, 0.3333
CMYK	0.00, 0.00, 0.29, 0.07
HSL	61°, 67%, 80%
HSV	61°, 29%, 93%
XYZ	72.7553, 82.0559, 50.0340
YIQ	229.9490, 21.2320, -21.3600

Conversions

Conversions Part 2

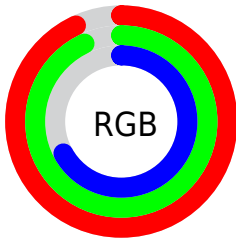
Format	Color
RYB	170, 238, 171
Decimal	15593130
CIELab	92.60, -10.72, 32.91
CIElCh	93, 34.607, 108.044
Yxy	82.0559, 0.3552, 0.4006
Android (android.graphics.Color)	4293783210 (0xFFEDEEAA)
YUV	229.9490, -29.5549, 6.1837
Hunter-Lab	90.5847, -15.1566, 30.6608

Details

The RYB color **170, 238, 171** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **171, 170, 238**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **226, 255, 226**, and **117, 182, 119** is the 20% darker color. If you saturate the color by 10%, you get **146, 238, 147**, and if you desaturate by 10%, it is **194, 238, 195**.

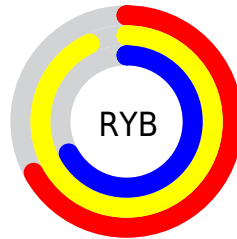
Distribution



Red (93%)

Green (93%)

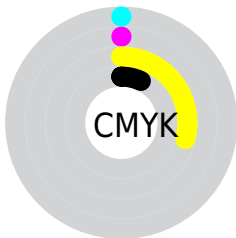
Blue (67%)



Red (67%)

Yellow (93%)

Blue (67%)

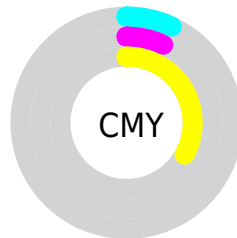


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 238, 171 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, 171 by changing the saturation by 10% instead.

 170, 238, 171


255, 255, 255


 226, 255, 226


 170, 238, 171


 143, 210, 145

 117, 182, 119

 92, 155, 94


 68, 129, 71

 44, 104, 47

 21, 80, 25

 0, 57, 5

 0, 36, 7

 0, 16, 16

170, 238, 171

170, 238, 171

146, 238, 147

194, 238, 195

122, 238, 124

218, 238, 218

99, 238, 101

238, 238, 241

75, 238, 77

238, 238, 255

51, 238, 54

239, 238, 255

27, 238, 30

240, 238, 255

3, 238, 6

0, 238, 3

Harmonies

Analogous

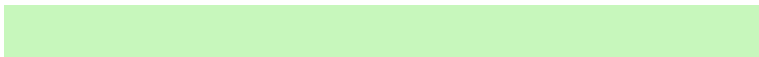
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



211, 255, 169



170, 238, 171



188, 247, 236

Triad

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



170, 238, 171



138, 195, 255



255, 211, 249

Complementary

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



170, 238, 171



171, 170, 238

Split Complementary

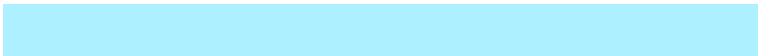
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 218, 255



170, 238, 171



173, 210, 255

Square

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



170, 238, 171



135, 194, 253



221, 228, 255



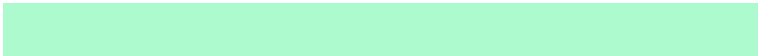
255, 210, 215

Rectangle

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



170, 238, 171



174, 227, 250



221, 228, 255



255, 213, 255

Sweetspot

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



170, 238, 171



232, 255, 232



238, 170, 170



113, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

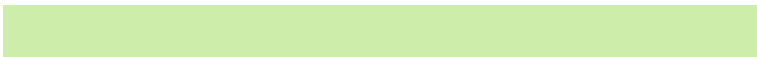
The Same Dimension uses a secret algorithm to generate beautiful new colors.



170, 238, 171



168, 255, 169



170, 238, 204



108, 120, 108



0, 184, 3



0, 56, 1

Inverse Universe

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



171, 170, 238



170, 168, 255



204, 170, 238



108, 108, 120



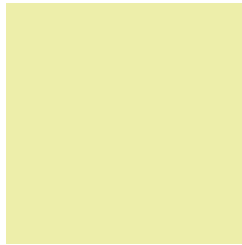
3, 0, 184



1, 0, 56

Previews

White Background



This preview shows how the RYB color 170, 238, 171 looks on a white background.

Color Contrast Check

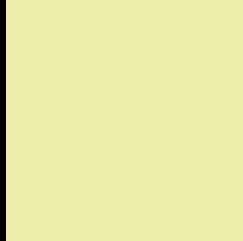
Large Text (above 18pt) WCAG AA × Fail

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, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

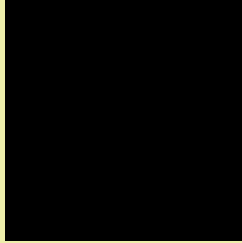
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

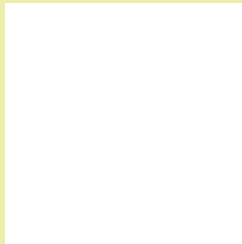
Any Text WCAG AAA ✓ Pass

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

RYB 170, 238, 171 Background



This preview shows how black text looks on a background with the RYB color 170, 238, 171.

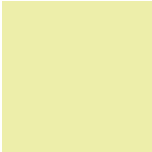
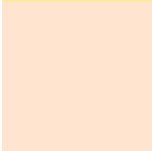


This preview shows how white text looks on a background with the RYB color 170, 238, 171.

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

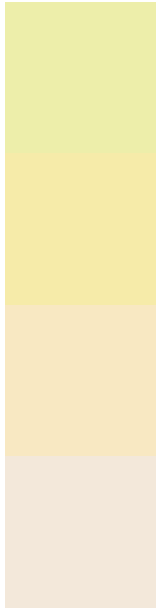
	Original Color 170, 238, 171
	Protanopia 191, 251, 168
	Deuteranopia 255, 248, 207



Tritanopia

247, 228, 246

Trichromacy



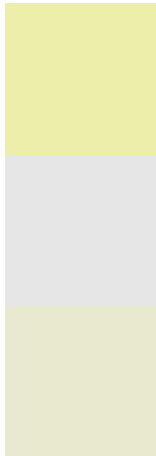
Original Color
170, 238, 171

Protanomaly
182, 246, 169

Deuteranomaly
217, 248, 194

Tritanomaly
238, 243, 218

Monochromacy



Original Color
170, 238, 171

Achromatopsia
230, 230, 230

Achromatomaly
208, 233, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 238, 171 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(237, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 238, 170) }
```

Border

The CSS property to change the border of an element to RYB 170, 238, 171 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(237, 238, 170) }
```

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

```
.border{ border-color:rgb(237, 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(237, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(237, 238,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 170, 238, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 238, 170) }
```

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

```
.background{ background-color: rgb(237,  
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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