

Converting Colors

`RYB(173, 238, 176)`

Have a look what the booklet for
RYB(173, 238, 176) contains.

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Color

R_YB(173, 238, 176)

Conversions

Conversions Part 1

Format	Color
Hex	EBEED
RGB	235, 238, 173
RGB Percent	92%, 93%, 68%
CMY	0.0784, 0.0667, 0.3216
CMYK	0.01, 0.00, 0.27, 0.07
HSL	63°, 66%, 81%
HSV	63°, 27%, 93%
XYZ	72.3783, 81.8284, 51.5149
YIQ	229.6930, 19.0770, -20.8510

Conversions

Conversions Part 2

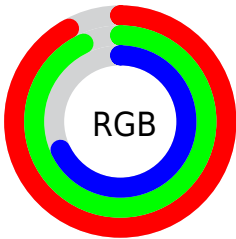
Format	Color
RYB	173, 238, 176
Decimal	15462061
CIELab	92.50, -11.08, 31.22
CIELCh	92, 33.131, 109.534
Yxy	81.8284, 0.3518, 0.3978
Android (android.graphics.Color)	4293652141 (0xFFEBEEAD)
YUV	229.6930, -27.9496, 4.6542
Hunter-Lab	90.4590, -15.4814, 29.5567

Details

The RYB color **173, 238, 176** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **176, 173, 238**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **229, 255, 229**, and **120, 182, 123** is the 20% darker color. If you saturate the color by 10%, you get **149, 238, 153**, and if you desaturate by 10%, it is **197, 238, 199**.

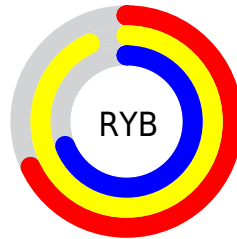
Distribution



Red (92%)

Green (93%)

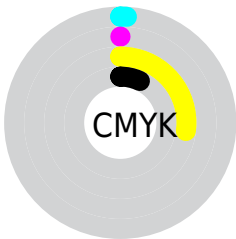
Blue (68%)



Red (68%)

Yellow (93%)

Blue (69%)

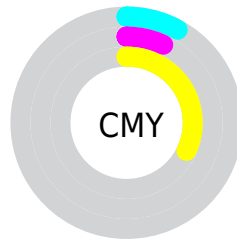


Cyan (1%)

Magenta (0%)

Yellow (27%)

Black (7%)



Cyan (8%)

Magenta (7%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 173, 238, 176 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 173, 238, 176 by changing the saturation by 10% instead.


 173, 238, 176

255, 255, 255


 229, 255, 229

 173, 238, 176

 146, 210, 150

 120, 182, 123

 95, 155, 99


 70, 129, 74

 47, 104, 52

 24, 80, 30

 0, 57, 6

 0, 36, 8

 0, 16, 16

173, 238, 176

173, 238, 176

149, 238, 153

197, 238, 199

125, 238, 130

221, 238, 222

102, 238, 108

238, 238, 244

78, 238, 85

239, 238, 255

54, 238, 62

240, 238, 255

30, 238, 40

242, 238, 255

6, 238, 17

243, 238, 255

0, 238, 11

244, 238, 255

245, 238, 255

Harmonies

Analogous

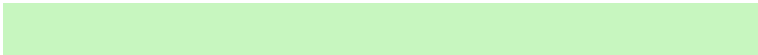
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



211, 255, 171



173, 238, 176



191, 246, 238

Triad

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



173, 238, 176



145, 198, 255



255, 211, 246

Complementary

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



173, 238, 176



176, 173, 238

Split Complementary

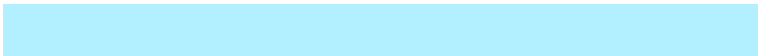
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 218, 255



173, 238, 176



178, 212, 255

Square

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



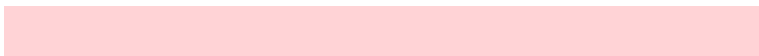
173, 238, 176



140, 196, 254



223, 228, 255



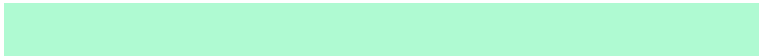
255, 211, 214

Rectangle

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



173, 238, 176



175, 226, 250



223, 228, 255



255, 213, 255

Sweetspot

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



173, 238, 176



235, 255, 236



238, 175, 173



115, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

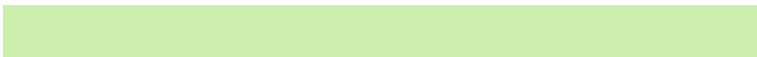
The Same Dimension uses a secret algorithm to generate beautiful new colors.



173, 238, 176



171, 255, 175



173, 238, 208



108, 120, 109



0, 184, 9



0, 56, 2

Inverse Universe

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



176, 173, 238



175, 171, 255



208, 173, 238



108, 108, 120



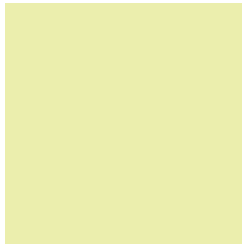
8, 0, 184



3, 0, 56

Previews

White Background



This preview shows how the RYB color 173, 238, 176 looks on a white background.

Color Contrast Check

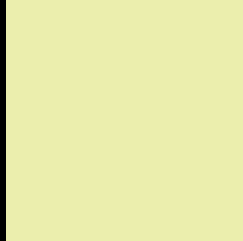
Large Text (above 18pt) WCAG AA × Fail

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 173, 238, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

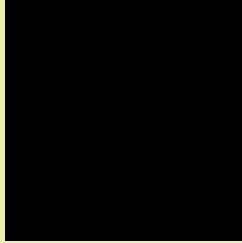
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

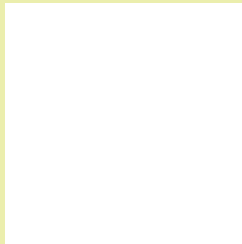
Any Text WCAG AAA ✓ Pass

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

RYB 173, 238, 176 Background



This preview shows how black text looks on a background with the RYB color 173, 238, 176.

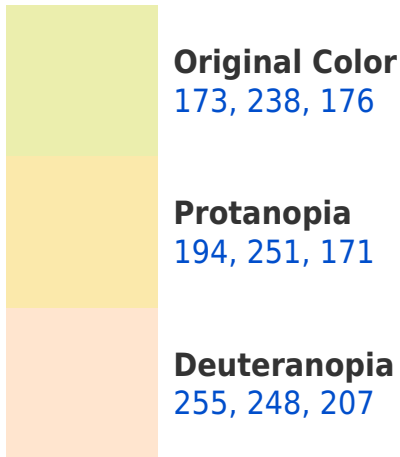


This preview shows how white text looks on a background with the RYB color 173, 238, 176.

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

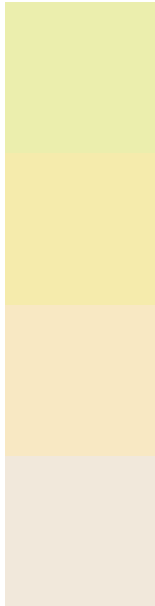




Tritanopia

244, 228, 246

Trichromacy



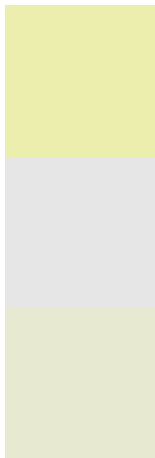
Original Color
173, 238, 176

Protanomaly
184, 245, 172

Deuteranomaly
218, 248, 195

Tritanomaly
234, 241, 219

Monochromacy



Original Color
173, 238, 176

Achromatopsia
230, 230, 230

Achromatomaly
209, 233, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 173, 238, 176 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(235, 238, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 173)  
}
```

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(235, 238, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 173) }
```

Border

The CSS property to change the border of an element to RYB 173, 238, 176 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(235, 238, 173) }
```

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

```
.border{ border-color:rgb(235, 238, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
173) }
```

Background

The CSS property to change the background color of an element to RYB 173, 238, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 173) }
```

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

```
.background{ background-color: rgb(235,  
238, 173) }
```

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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