

Converting Colors

`RYB(178, 235, 178)`

Have a look what the booklet for
RYB(178, 235, 178) contains.

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Color

R_YB(178, 235, 178)

Conversions

Conversions Part 1

Format	Color
Hex	EBEBB2
RGB	235, 235, 178
RGB Percent	92%, 92%, 70%
CMY	0.0784, 0.0784, 0.3020
CMYK	0.00, 0.00, 0.24, 0.08
HSL	60°, 59%, 81%
HSV	60°, 24%, 92%
XYZ	72.0052, 80.2932, 53.8225
YIQ	228.5020, 18.2970, -17.7270

Conversions

Conversions Part 2

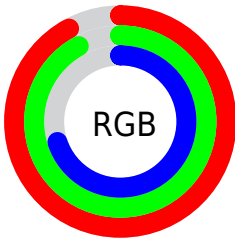
Format	Color
RYB	178, 235, 178
Decimal	15461298
CIELab	91.82, -8.92, 27.75
CIELCh	92, 29.152, 107.819
Yxy	80.2932, 0.3493, 0.3895
Android (android.graphics.Color)	4293651378 (0xFFEBEBB2)
YUV	228.5020, -24.8975, 5.6987
Hunter-Lab	89.6065, -13.3739, 27.1117

Details

The RYB color **178, 235, 178** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **178, 178, 235**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is **234, 255, 234**, and **125, 179, 125** is the 20% darker color. If you saturate the color by 10%, you get **155, 235, 155**, and if you desaturate by 10%, it is **202, 235, 202**.

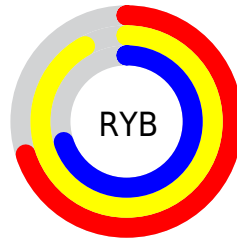
Distribution



Red (92%)

Green (92%)

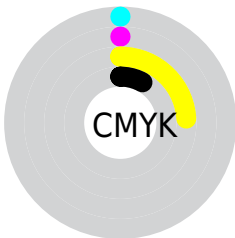
Blue (70%)



Red (70%)

Yellow (92%)

Blue (70%)

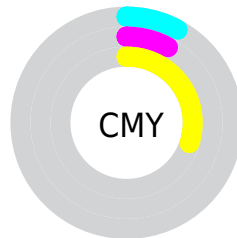


Cyan (0%)

Magenta (0%)

Yellow (24%)

Black (8%)



Cyan (8%)

Magenta (8%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 235, 178 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 178, 235, 178 by changing the saturation by 10% instead.

 178, 235, 178


255, 255, 255


 234, 255, 234


 178, 235, 178

 151, 207, 152

 125, 179, 125

 100, 153, 101


 75, 127, 77

 52, 102, 54

 29, 78, 32

 6, 55, 10

 0, 34, 5

 0, 12, 12

■ 178, 235, 178

■ 178, 235, 178

■ 155, 235, 155

■ 202, 235, 202

■ 131, 235, 131

■ 225, 235, 225

■ 108, 235, 108

■ 235, 235, 249

■ 84, 235, 84

■ 235, 235, 255

■ 60, 235, 60

■ 37, 235, 37

■ 14, 235, 14

■ 0, 235, 0

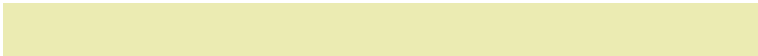
Harmonies

Analogous

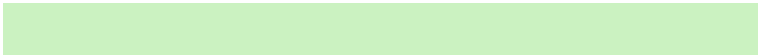
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223, 255, 177



178, 235, 178



193, 242, 232

Triad

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



178, 235, 178



156, 203, 255



255, 213, 244

Complementary

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



178, 235, 178



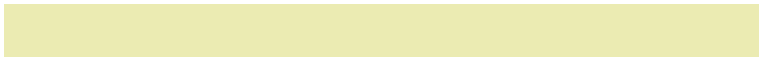
178, 178, 235

Split Complementary

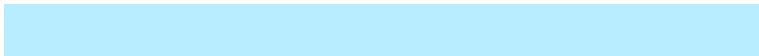
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 219, 255



178, 235, 178



183, 214, 255

Square

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



178, 235, 178



153, 200, 248



221, 227, 255



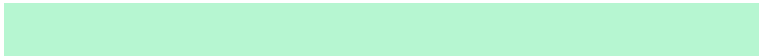
255, 212, 216

Rectangle

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



178, 235, 178



182, 227, 246



221, 227, 255



255, 214, 253

Sweetspot

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



178, 235, 178



237, 255, 237



235, 178, 178



117, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



178, 235, 178



181, 255, 181



178, 235, 207



106, 117, 106



0, 181, 0



0, 54, 0

Inverse Universe

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



178, 178, 235



181, 181, 255



206, 178, 235



106, 106, 117



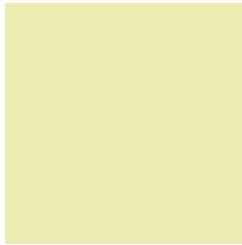
0, 0, 181



0, 0, 54

Previews

White Background



This preview shows how the RYB color 178, 235, 178 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 178, 235, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

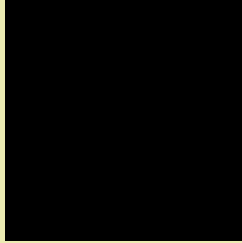
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

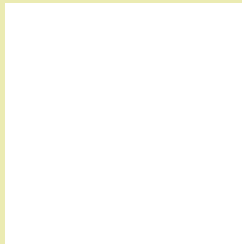
Any Text WCAG AAA ✓ Pass

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

RYB 178, 235, 178 Background



This preview shows how black text looks on a background with the RYB color 178, 235, 178.



This preview shows how white text looks on a background with the RYB color 178, 235, 178.

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

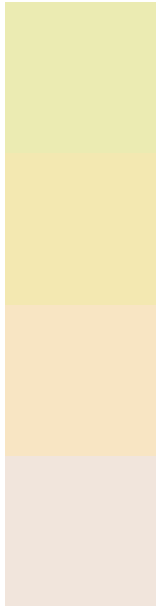




Tritanopia

244, 226, 244

Trichromacy



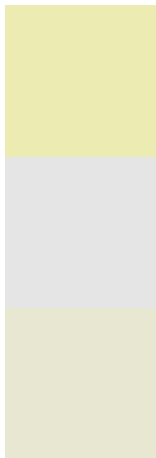
Original Color
178, 235, 178

Protanomaly
190, 243, 177

Deuteranomaly
225, 248, 195

Tritanomaly
241, 236, 220

Monochromacy



Original Color
178, 235, 178

Achromatopsia
229, 229, 229

Achromatomaly
210, 231, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 235, 178 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, 235, 178)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 178)  
}
```

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, 235, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 178) }
```

Border

The CSS property to change the border of an element to RYB 178, 235, 178 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, 235, 178) }
```

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

```
.border{ border-color:rgb(235, 235, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 178);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 178, 235, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 178) }
```

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

```
.background{ background-color: rgb(235,  
235, 178) }
```

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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