

Converting Colors

`RYB(138, 233, 159)`

Have a look what the booklet for
RYB(138, 233, 159) contains.

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Color

R_YB(138, 233, 159)

Conversions

Conversions Part 1

Format	Color
Hex	D4E98A
RGB	212, 233, 138
RGB Percent	83%, 91%, 54%
CMY	0.1686, 0.0863, 0.4588
CMYK	0.09, 0.00, 0.41, 0.09
HSL	73°, 68%, 73%
HSV	73°, 41%, 91%
XYZ	60.8777, 74.1099, 35.1408
YIQ	215.8910, 17.9790, -33.9970

Conversions

Conversions Part 2

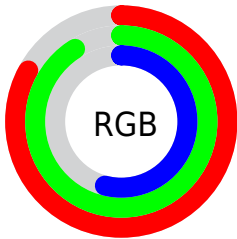
Format	Color
RYB	138, 233, 159
Decimal	13953418
CIELab	88.97, -21.48, 43.80
CIELCh	89, 48.785, 116.118
Yxy	74.1099, 0.3578, 0.4356
Android (android.graphics.Color)	4292143498 (0xFFD4E98A)
YUV	215.8910, -38.4003, -3.4124
Hunter-Lab	86.0871, -24.4235, 36.0587

Details

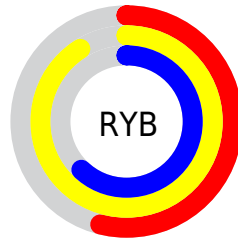
The RYB color **138, 233, 159** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **159, 138, 233**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **193, 255, 193**, and **86, 177, 107** is the 20% darker color. If you saturate the color by 10%, you get **115, 233, 141**, and if you desaturate by 10%, it is **161, 233, 177**.

Distribution



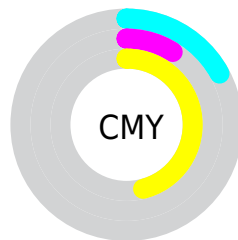
- Red (83%)
- Green (91%)
- Blue (54%)



- Red (54%)
- Yellow (91%)
- Blue (62%)



- Cyan (9%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)



- Cyan (17%)
- Magenta (9%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 233, 159 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 138, 233, 159 by changing the saturation by 10% instead.

 138, 233, 159

255, 255, 255


 193, 255, 193


 221, 255, 221

 250, 255, 250


 138, 233, 159

 112, 205, 133

 86, 177, 107

 61, 151, 83

 35, 125, 57

 5, 100, 28

 0, 76, 24

 0, 53, 26

 0, 32, 32

 0, 0, 0

138, 233, 159

138, 233, 159

115, 233, 141

161, 233, 177

91, 233, 122

185, 233, 196

68, 233, 104

208, 233, 214

45, 233, 87

231, 233, 231

21, 233, 68

238, 233, 254

0, 233, 52

243, 233, 255

248, 233, 255

253, 233, 255

255, 233, 255

Harmonies

Analogous

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



181, 255, 130



138, 233, 159



157, 232, 243

Triad

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



138, 233, 159



37, 143, 255



255, 187, 231

Complementary

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



138, 233, 159



159, 138, 233

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, 197, 255



138, 233, 159



142, 191, 255

Square

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



138, 233, 159



0, 125, 255



220, 214, 255



255, 190, 185

Rectangle

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



138, 233, 159



115, 195, 247



220, 214, 255



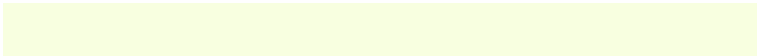
255, 189, 247

Sweetspot

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



138, 233, 159



224, 255, 231



233, 165, 138



110, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

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



138, 233, 159



130, 255, 158



138, 233, 206



106, 117, 108



0, 181, 40



0, 54, 12

Inverse Universe

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



159, 138, 233



158, 130, 255



206, 138, 233



108, 106, 117



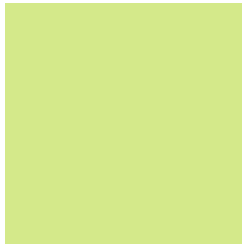
40, 0, 181



12, 0, 54

Previews

White Background



This preview shows how the RYB color 138, 233, 159 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 138, 233, 159 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 138, 233, 159 Background



This preview shows how black text looks on a background with the RYB color 138, 233, 159.

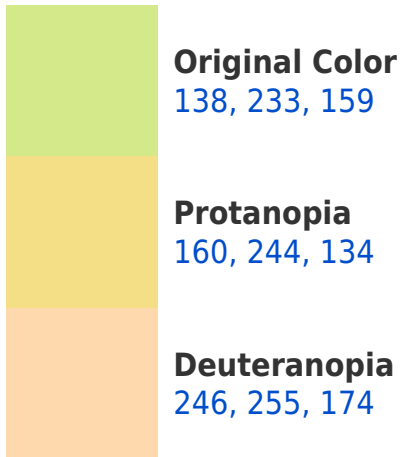


This preview shows how white text looks on a background with the RYB color 138, 233, 159.

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](#).

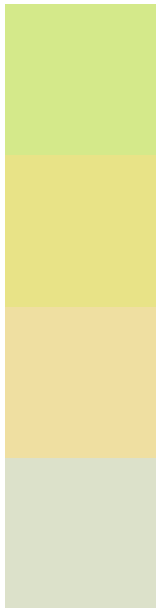
Dichromacy





Tritanopia
225, 221, 239

Trichromacy



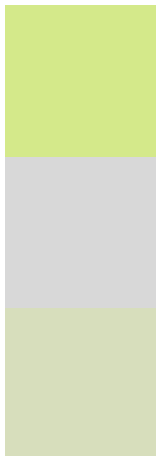
Original Color
138, 233, 159

Protanomaly
140, 232, 135

Deuteranomaly
181, 239, 161

Tritanomaly
202, 225, 207

Monochromacy



Original Color
138, 233, 159

Achromatopsia
216, 216, 216

Achromatomaly
188, 222, 195

CSS Examples

Text

The CSS property to change the color of the text to RGB 138, 233, 159 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, 233, 138)` looks like.

```
.text, #text, p{  
    color:rgb(212, 233, 138)  
}
```

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, 233, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 233, 138) }
```

Border

The CSS property to change the border of an element to RYB 138, 233, 159 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, 233, 138) }
```

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

```
.border{ border-color:rgb(212, 233, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 233, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 233, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 233, 138);  
box-shadow:4px 4px 4px 4px rgb(212, 233,  
138) }
```

Background

The CSS property to change the background color of an element to RYB 138, 233, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 233, 138) }
```

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

```
.background{ background-color: rgb(212,  
233, 138) }
```

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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