

Converting Colors

`RYB(158, 253, 173)`

Have a look what the booklet for
RYB(158, 253, 173) contains.

RYB(158, 253, 173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(158, 253, 173)

Conversions

Conversions Part 1

Format	Color
Hex	EEFD9E
RGB	238, 253, 158
RGB Percent	93%, 99%, 62%
CMY	0.0667, 0.0078, 0.3804
CMYK	0.06, 0.00, 0.38, 0.01
HSL	69°, 96%, 81%
HSV	69°, 38%, 99%
XYZ	76.5567, 90.8963, 45.8575
YIQ	237.6850, 21.5550, -32.7250

Conversions

Conversions Part 2

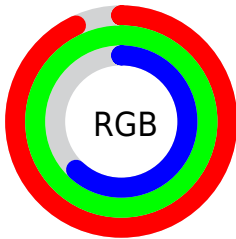
Format	Color
RYB	158, 253, 173
Decimal	15662494
CIELab	96.37, -19.13, 43.82
CIElCh	96, 47.814, 113.583
Yxy	90.8963, 0.3589, 0.4261
Android (android.graphics.Color)	4293852574 (0xFFEEFD9E)
YUV	237.6850, -39.2847, 0.2763
Hunter-Lab	95.3396, -23.5105, 38.2197

Details

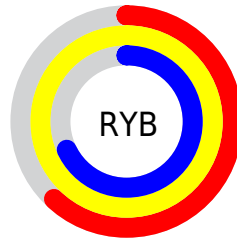
The RYB color **158, 253, 173** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **173, 158, 253**, and the grayscale version is **238, 238, 238**.

A 20% lighter version of the original color is **214, 255, 214**, and **105, 196, 120** is the 20% darker color. If you saturate the color by 10%, you get **133, 253, 152**, and if you desaturate by 10%, it is **183, 253, 194**.

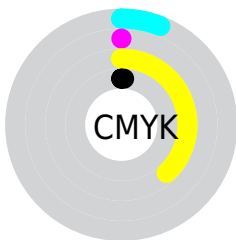
Distribution



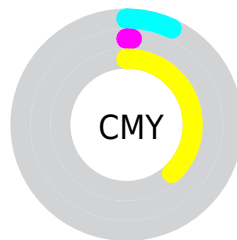
- Red (93%)
- Green (99%)
- Blue (62%)



- Red (62%)
- Yellow (99%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (38%)
- Black (1%)



- Cyan (7%)
- Magenta (1%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 253, 173 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 158, 253, 173 by changing the saturation by 10% instead.

 158, 253, 173

255, 255, 255


 214, 255, 214

 242, 255, 242

 158, 253, 173

 131, 224, 146

 105, 196, 120

 80, 169, 96

 54, 143, 71

 29, 117, 46

 0, 92, 18

 0, 69, 19

 0, 47, 22

 0, 27, 27

■ 158, 253, 173

■ 158, 253, 173

■ 133, 253, 152

■ 183, 253, 194

■ 107, 253, 130

■ 209, 253, 216

■ 82, 253, 109

■ 234, 253, 237

■ 57, 253, 88

■ 254, 253, 255

■ 32, 253, 67

255, 253, 255

■ 6, 253, 45

■ 0, 253, 40

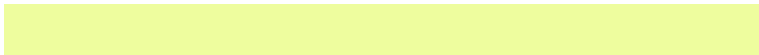
Harmonies

Analogous

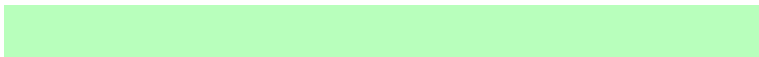
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



172, 255, 152



158, 253, 173



184, 251, 255

Triad

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



158, 253, 173



84, 170, 255



255, 210, 255

Complementary

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



158, 253, 173



173, 158, 253

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, 220, 255



158, 253, 173



161, 207, 255

Square

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



158, 253, 173



66, 161, 255



236, 236, 255



255, 211, 210

Rectangle

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



158, 253, 173



145, 211, 255



236, 236, 255



255, 212, 255

Sweetspot

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



158, 253, 173



227, 255, 231



253, 174, 158



111, 128, 114



0, 0, 0



128, 128, 128

Same Dimension

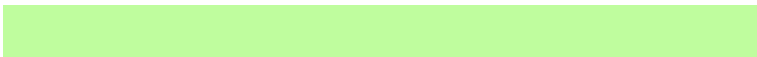
The Same Dimension uses a secret algorithm to generate beautiful new colors.



158, 253, 173



140, 255, 158



158, 253, 220



115, 128, 118



0, 191, 30



0, 64, 10

Inverse Universe

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



173, 158, 253



158, 140, 255



220, 158, 253



117, 115, 128



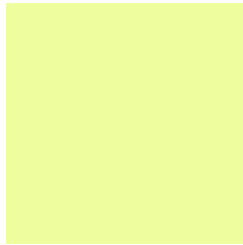
30, 0, 191



10, 0, 64

Previews

White Background



This preview shows how the RYB color 158, 253, 173 looks on a white background.

Color Contrast Check

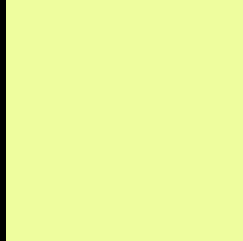
Large Text (above 18pt) WCAG AA × Fail

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 158, 253, 173 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 158, 253, 173 Background



This preview shows how black text looks on a background with the RYB color 158, 253, 173.

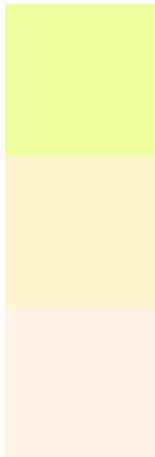


This preview shows how white text looks on a background with the RYB color 158, 253, 173.

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
158, 253, 173

Protanopia
221, 255, 207

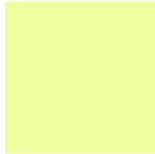
Deuteranopia
255, 251, 231



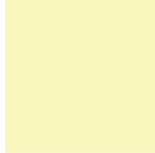
Tritanopia

249, 242, 255

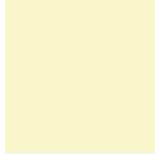
Trichromacy



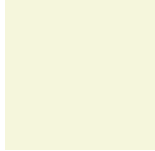
Original Color
158, 253, 173



Protanomaly
191, 249, 189



Deuteranomaly
207, 249, 204

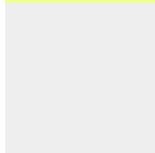


Tritanomaly
220, 246, 221

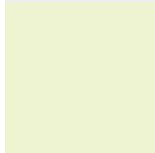
Monochromacy



Original Color
158, 253, 173



Achromatopsia
238, 238, 238



Achromatomaly
209, 243, 214

CSS Examples

Text

The CSS property to change the color of the text to RGB 158, 253, 173 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(238, 253, 158) looks like.

```
.text, #text, p{  
    color:rgb(238, 253, 158)  
}
```

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(238, 253, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 253, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 253, 173 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(238, 253, 158) }
```

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

```
.border{ border-color:rgb(238, 253, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 253, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 253, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 253, 158);  
box-shadow:4px 4px 4px 4px rgb(238, 253,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 253, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 253, 158) }
```

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

```
.background{ background-color: rgb(238,  
253, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor