

Converting Colors

`RYB(158, 250, 158)`

Have a look what the booklet for
RYB(158, 250, 158) contains.

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Color

R_YB(158, 250, 158)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FAFA9E |
| RGB | 250, 250, 158 |
| RGB Percent | 98%, 98%, 62% |
| CMY | 0.0196, 0.0196, 0.3804 |
| CMYK | 0.00, 0.00, 0.37, 0.02 |
| HSL | 60°, 90%, 80% |
| HSV | 60°, 37%, 98% |
| XYZ | 79.7815, 91.1638, 45.7392 |
| YIQ | 239.5120, 29.5320, -28.6120 |

Conversions

Conversions Part 2

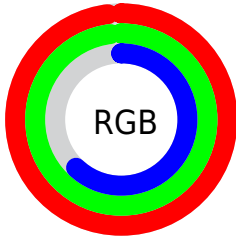
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 158, 250, 158 |
| Decimal | 16448158 |
| CIELab | 96.48, -13.16, 44.14 |
| CIELCh | 96, 46.061, 106.603 |
| Yxy | 91.1638, 0.3682, 0.4207 |
| Android (android.graphics.Color) | 4294638238 (0xFFFAFA9E) |
| YUV | 239.5120, -40.1854, 9.1980 |
| Hunter-Lab | 95.4798, -17.9375, 38.4332 |

Details

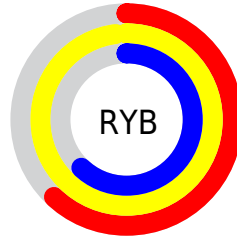
The RYB color **158, 250, 158** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **158, 158, 250**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **214, 255, 214**, and **105, 194, 107** is the 20% darker color. If you saturate the color by 10%, you get **133, 250, 133**, and if you desaturate by 10%, it is **183, 250, 183**.

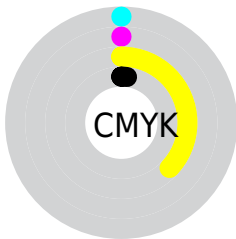
Distribution



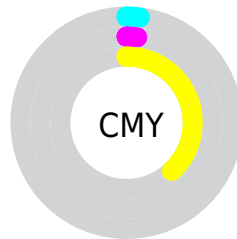
- Red (98%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)



- Cyan (2%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 250, 158 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, 250, 158 by changing the saturation by 10% instead.

 158, 250, 158


255, 255, 255


 214, 255, 214


 242, 255, 242

 158, 250, 158

 131, 221, 131

 105, 194, 107

 80, 167, 83

 54, 140, 57

 29, 115, 34

 0, 90, 6

 0, 67, 7

 0, 45, 10

 0, 25, 23

 158, 250, 158

 158, 250, 158

 133, 250, 133

 183, 250, 183

 108, 250, 108

 208, 250, 208

 83, 250, 83

 233, 250, 233

 58, 250, 58

 250, 250, 255

 33, 250, 33

 8, 250, 8

 0, 250, 0

Harmonies

Analogous

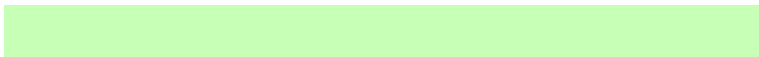
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



183, 255, 158



158, 250, 158



182, 255, 238

Triad

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



158, 250, 158



86, 171, 255



255, 213, 255

Complementary

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



158, 250, 158



158, 158, 250

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, 225, 255



158, 250, 158



149, 202, 255

Square

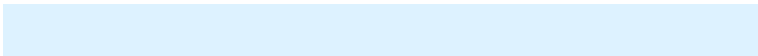
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



158, 250, 158



91, 173, 255



221, 234, 255



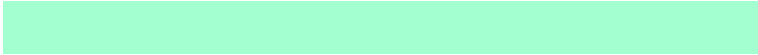
255, 211, 221

Rectangle

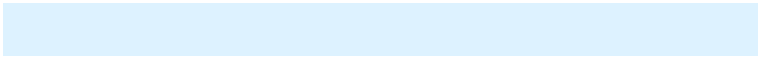
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



158, 250, 158



163, 225, 255



221, 234, 255



255, 216, 255

Sweetspot

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



158, 250, 158



227, 255, 227



250, 158, 158



111, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

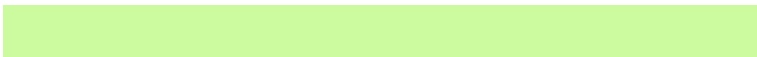
The Same Dimension uses a secret algorithm to generate beautiful new colors.



158, 250, 158



143, 255, 143



158, 250, 204



112, 125, 112



0, 189, 0



0, 61, 0

Inverse Universe

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



158, 158, 250



143, 143, 255



204, 158, 250



112, 112, 125



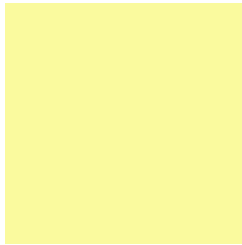
0, 0, 189



0, 0, 61

Previews

White Background



This preview shows how the RYB color 158, 250, 158 looks on a white background.

Color Contrast Check

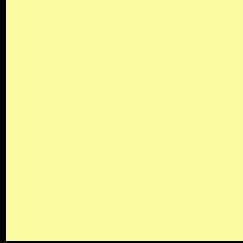
Large Text (above 18pt) WCAG AA × Fail

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, 250, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

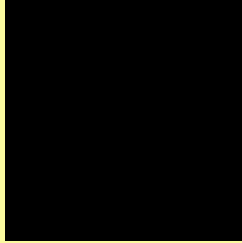
Any Text WCAG AA ✓ Pass

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, 250, 158 Background



This preview shows how black text looks on a background with the RYB color 158, 250, 158.

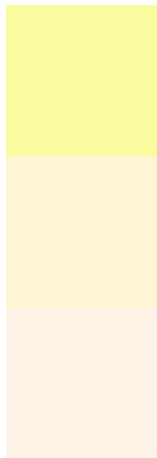


This preview shows how white text looks on a background with the RYB color 158, 250, 158.

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, 250, 158

Protanopia
223, 255, 210

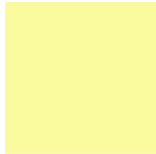
Deuteranopia
255, 253, 232



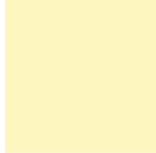
Tritanopia

255, 241, 252

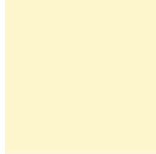
Trichromacy



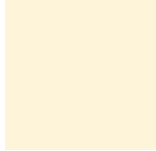
Original Color
158, 250, 158



Protanomaly
198, 253, 191

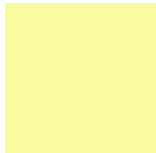


Deuteranomaly
213, 253, 205

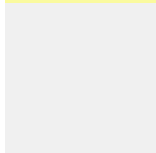


Tritanomaly
230, 253, 218

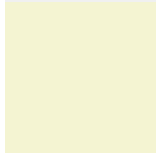
Monochromacy



Original Color
158, 250, 158



Achromatopsia
240, 240, 240



Achromatomaly
210, 244, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 250, 158 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(250, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(250, 250, 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(250, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 250, 158) }
```

Border

The CSS property to change the border of an element to RYB 158, 250, 158 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(250, 250, 158) }
```

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

```
.border{ border-color:rgb(250, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(250, 250,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 158, 250, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 250, 158) }
```

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

```
.background{ background-color: rgb(250,  
250, 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](#).

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