

Converting Colors

`RYB(158, 247, 142)`

Have a look what the booklet for
RYB(158, 247, 142) contains.

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Color

R_YB(158, 247, 142)

Conversions

Conversions Part 1

Format	Color
Hex	F7E98E
RGB	247, 233, 142
RGB Percent	97%, 91%, 56%
CMY	0.0314, 0.0858, 0.4431
CMYK	0.00, 0.06, 0.43, 0.03
HSL	52°, 87%, 76%
HSV	52°, 43%, 97%
XYZ	72.4119, 80.0705, 37.2298
YIQ	226.8120, 37.5550, -25.3330

Conversions

Conversions Part 2

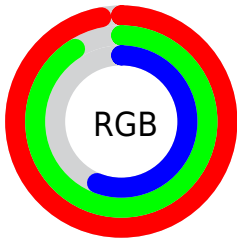
Format	Color
R_{YB}	158, 247, 142
Decimal	16247182
CIE _{Lab}	91.72, -7.63, 45.86
CIE _{LCh}	92, 46.496, 99.450
Yxy	80.0705, 0.3817, 0.4221
Android (android.graphics.Color)	4294437262 (0xFFFF7E98E)
YUV	226.8120, -41.8123, 17.7049
Hunter-Lab	89.4821, -12.1455, 37.9694

Details

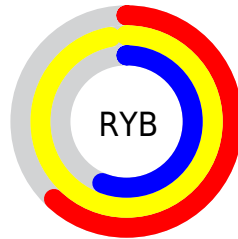
The RYB color **158, 247, 142** is a light color, and the websafe version is hex **FFFF99**, and the color name is **flavescent**. A complement of this color would be **142, 154, 247**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **197, 255, 197**, and **102, 189, 90** is the 20% darker color. If you saturate the color by 10%, you get **137, 247, 117**, and if you desaturate by 10%, it is **180, 247, 167**.

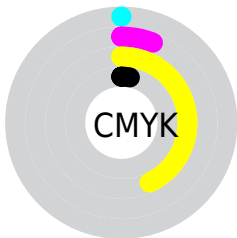
Distribution



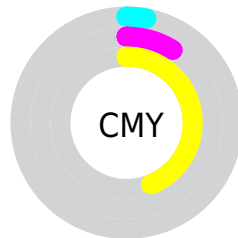
- Red (97%)
- Green (91%)
- Blue (56%)



- Red (62%)
- Yellow (97%)
- Blue (56%)



- Cyan (0%)
- Magenta (6%)
- Yellow (43%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 247, 142 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, 247, 142 by changing the saturation by 10% instead.

 158, 247, 142

255, 255, 255


 197, 255, 197

 225, 255, 225

254, 255, 254

 158, 247, 142

 131, 218, 116


 102, 189, 90

 75, 161, 64


 48, 133, 39

 18, 107, 10

 4, 81, 0

 1, 55, 0

 0, 33, 2

 0, 12, 12

158, 247, 142

158, 247, 142

137, 247, 117

180, 247, 167

116, 247, 93

199, 247, 191

96, 247, 68

221, 247, 216

74, 247, 43

242, 247, 241

54, 247, 19

247, 249, 255

38, 247, 0

247, 250, 255

247, 251, 255

Harmonies

Analogous

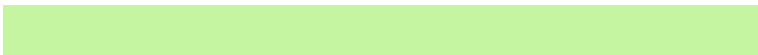
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



205, 255, 148



158, 247, 142



161, 245, 208

Triad

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



158, 247, 142



48, 151, 255



255, 201, 255

Complementary

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



158, 247, 142



142, 154, 247

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, 215, 255



158, 247, 142



113, 181, 255

Square

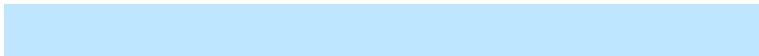
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



158, 247, 142



82, 171, 255



190, 215, 255



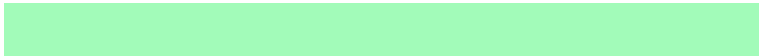
255, 197, 219

Rectangle

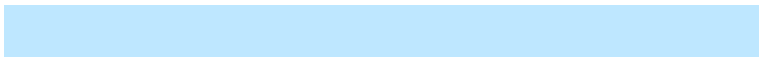
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



158, 247, 142



162, 233, 251



190, 215, 255



255, 205, 255

Sweetspot

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



158, 247, 142



227, 255, 222



247, 142, 156



111, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

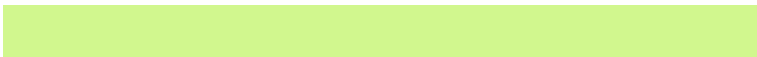
The Same Dimension uses a secret algorithm to generate beautiful new colors.



158, 247, 142



145, 255, 125



142, 247, 180



111, 122, 110



28, 186, 0



9, 59, 0

Inverse Universe

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



142, 154, 247



125, 140, 255



180, 142, 247



110, 112, 122



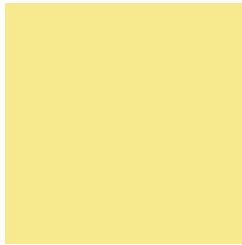
0, 22, 186



0, 7, 59

Previews

White Background



This preview shows how the RYB color 158, 247, 142 looks on a white background.

Color Contrast Check

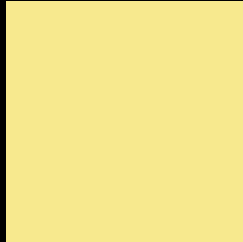
Large Text (above 18pt) WCAG AA × Fail

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, 247, 142 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, 247, 142 Background



This preview shows how black text looks on a background with the RYB color 158, 247, 142.



This preview shows how white text looks on a background with the RYB color 158, 247, 142.

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, 247, 142

Protanopia
168, 253, 141

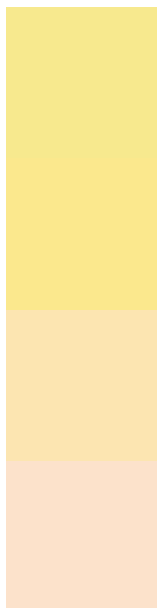
Deuteranopia
255, 255, 197



Tritanopia

255, 222, 238

Trichromacy



Original Color

158, 247, 142

Protanomaly

164, 251, 141

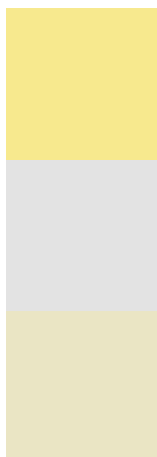
Deuteranomaly

210, 252, 177

Tritanomaly

252, 246, 203

Monochromacy



Original Color

158, 247, 142

Achromatopsia

227, 227, 227

Achromatomaly

202, 234, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 247, 142 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(247, 233, 142)` looks like.

```
.text, #text, p{  
    color:rgb(247, 233, 142)  
}
```

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(247, 233, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 233, 142) }
```

Border

The CSS property to change the border of an element to RYB 158, 247, 142 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(247, 233, 142) }
```

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

```
.border{ border-color:rgb(247, 233, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 233, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 233, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 233, 142);  
box-shadow:4px 4px 4px 4px rgb(247, 233,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 158, 247, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 233, 142) }
```

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

```
.background{ background-color: rgb(247,  
233, 142) }
```

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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