

Converting Colors

`RYB(158, 234, 250)`

Have a look what the booklet for
RYB(158, 234, 250) contains.

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Color

`RYB(158, 234, 250)`

Conversions

Conversions Part 1

Format	Color
Hex	9EFAB1
RGB	158, 250, 177
RGB Percent	62%, 98%, 69%
CMY	0.3804, 0.0196, 0.3044
CMYK	0.37, 0.00, 0.29, 0.02
HSL	133°, 90%, 80%
HSV	133°, 37%, 98%
XYZ	56.2588, 78.8294, 54.0382
YIQ	214.1700, -31.3990, -42.2070

Conversions

Conversions Part 2

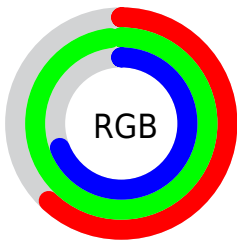
Format	Color
RYB	158, 234, 250
Decimal	10418865
CIELab	91.16, -42.07, 26.41
CIELCh	91, 49.673, 147.886
Yxy	78.8294, 0.2975, 0.4168
Android (android.graphics.Color)	4288608945 (0xFF9EFAB1)
YUV	214.1700, -18.3248, -49.2611
Hunter-Lab	88.7859, -42.2697, 26.0642

Details

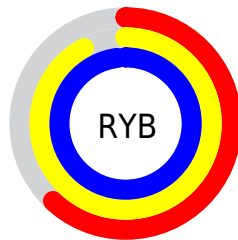
The RYB color **158, 234, 250** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **250, 158, 231**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **215, 243, 255**, and **102, 175, 193** is the 20% darker color. If you saturate the color by 10%, you get **133, 229, 250**, and if you desaturate by 10%, it is **183, 238, 250**.

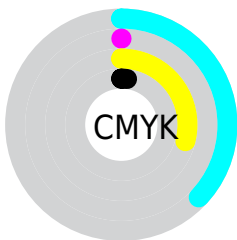
Distribution



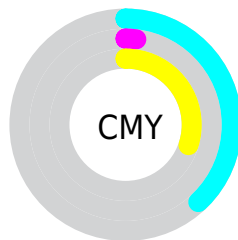
- Red (62%)
- Green (98%)
- Blue (69%)



- Red (62%)
- Yellow (92%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 234, 250 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, 234, 250 by changing the saturation by 10% instead.

 158, 234, 250

255, 255, 255


 215, 243, 255


 245, 250, 255

 158, 234, 250

 130, 205, 221

 102, 175, 193

 75, 146, 165

 45, 116, 139

 2, 79, 113

 0, 66, 87

 0, 58, 63

 0, 41, 41

 0, 8, 8

 158, 234, 250

 158, 234, 250

 133, 229, 250

 183, 238, 250

 108, 225, 250

 208, 243, 250

 83, 221, 250

 233, 247, 250

 58, 217, 250

 255, 250, 255

 33, 212, 250

 8, 208, 250

 0, 206, 250

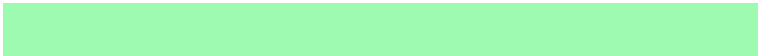
Harmonies

Analogous

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



144, 240, 169



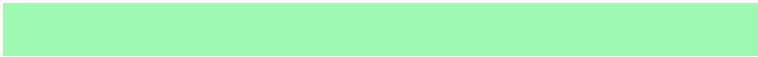
158, 234, 250



89, 180, 255

Triad

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



158, 234, 250



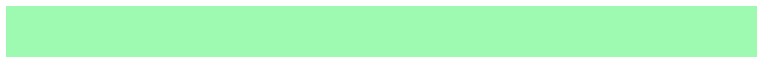
152, 198, 255



255, 197, 188

Complementary

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



158, 234, 250



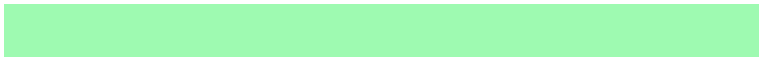
250, 158, 231

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, 192, 235



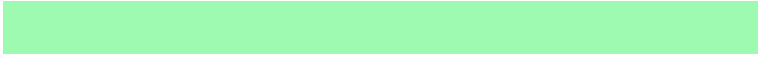
158, 234, 250



230, 219, 255

Square

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



158, 234, 250



49, 150, 255



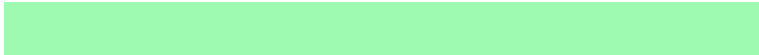
255, 202, 255



232, 255, 150

Rectangle

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



158, 234, 250



5, 130, 255



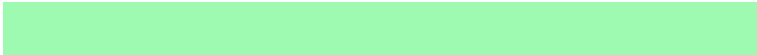
255, 202, 255



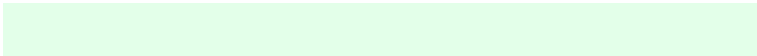
255, 193, 203

Sweetspot

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



158, 234, 250



227, 250, 255



158, 250, 176



111, 125, 128



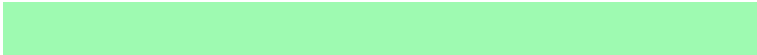
0, 0, 0



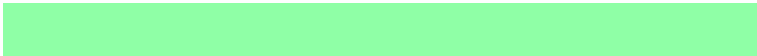
128, 128, 128

Same Dimension

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



158, 234, 250



143, 236, 255



158, 212, 250



112, 123, 125



0, 156, 189



0, 50, 61

Inverse Universe

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



250, 158, 231



255, 143, 231



250, 158, 186



125, 112, 122



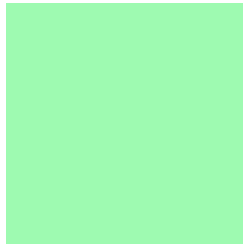
189, 0, 149



61, 0, 48

Previews

White Background



This preview shows how the RYB color 158, 234, 250 looks on a white background.

Color Contrast Check

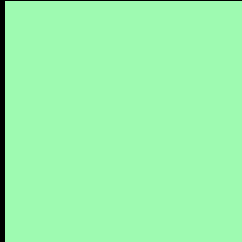
Large Text (above 18pt) WCAG AA × Fail

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, 234, 250 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, 234, 250 Background



This preview shows how black text looks on a background with the RYB color 158, 234, 250.

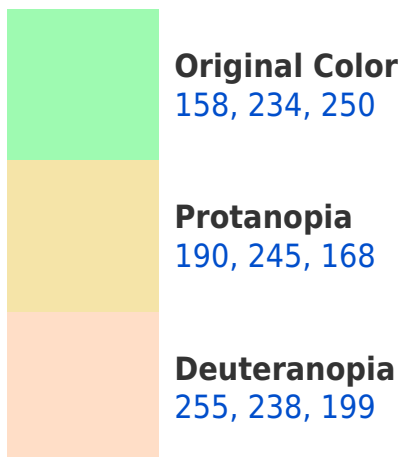


This preview shows how white text looks on a background with the RYB color 158, 234, 250.

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





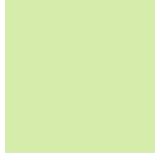
Tritanopia
183, 214, 255

Trichromacy



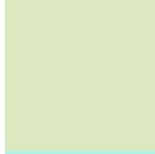
Original Color

158, 234, 250



Protanomaly

171, 236, 194



Deuteranomaly

191, 232, 203



Tritanomaly

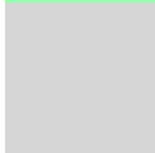
174, 212, 242

Monochromacy



Original Color

158, 234, 250



Achromatopsia

214, 214, 214



Achromatomaly

194, 221, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 234, 250 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(158, 250, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 177)  
}
```

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(158, 250, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 177) }
```

Border

The CSS property to change the border of an element to RYB 158, 234, 250 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(158, 250, 177) }
```

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

```
.border{ border-color:rgb(158, 250, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 250, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
177) }
```

Background

The CSS property to change the background color of an element to RYB 158, 234, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 177) }
```

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

```
.background{ background-color: rgb(158,  
250, 177) }
```

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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