

Converting Colors

`RYB(158, 205, 250)`

Have a look what the booklet for
RYB(158, 205, 250) contains.

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Color

R_YB(158, 205, 250)

Conversions

Conversions Part 1

Format	Color
Hex	9EFAF6
RGB	158, 250, 246
RGB Percent	62%, 98%, 96%
CMY	0.3804, 0.0196, 0.0350
CMYK	0.37, 0.00, 0.02, 0.02
HSL	177°, 90%, 80%
HSV	177°, 37%, 98%
XYZ	64.9338, 82.2994, 99.7203
YIQ	222.0360, -53.5480, -20.7480

Conversions

Conversions Part 2

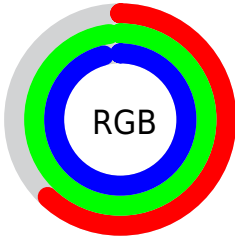
Format	Color
RYB	158, 205, 250
Decimal	10418934
CIELab	92.71, -28.20, -6.80
CIELCh	93, 29.006, 193.557
Yxy	82.2994, 0.2629, 0.3333
Android (android.graphics.Color)	4288609014 (0xFF9EFAF6)
YUV	222.0360, 11.8143, -56.1596
Hunter-Lab	90.7190, -30.9936, -1.6695

Details

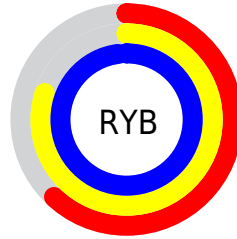
The RYB color **158, 205, 250** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **250, 158, 162**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **216, 236, 255**, and **101, 148, 193** is the 20% darker color. If you saturate the color by 10%, you get **133, 193, 250**, and if you desaturate by 10%, it is **183, 217, 250**.

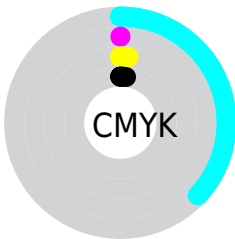
Distribution



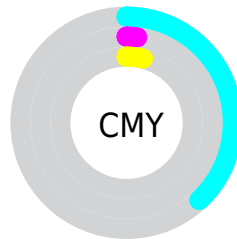
- Red (62%)
- Green (98%)
- Blue (96%)



- Red (62%)
- Yellow (80%)
- Blue (98%)



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



- Cyan (38%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the RYB color 158, 205, 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, 205, 250 by changing the saturation by 10% instead.


 158, 205, 250

 158, 205, 250


255, 255, 255

 130, 176, 221

 216, 236, 255

 101, 148, 193

 246, 251, 255

 72, 120, 166


 40, 90, 139

 0, 57, 113

 0, 45, 89


 0, 33, 65

 0, 21, 42

 0, 10, 22

 158, 205, 250


 158, 205, 250

 133, 193, 250


 183, 217, 250

 108, 181, 250


 208, 230, 250

 83, 168, 250

 233, 242, 250

 58, 156, 250

 255, 250, 250

 33, 144, 250

 255, 250, 251

 8, 132, 250

 255, 250, 252

 0, 128, 250

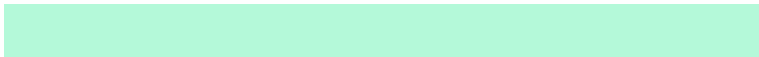
 255, 250, 254

 255, 250, 255

Harmonies

Analogous

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



180, 225, 249



158, 205, 250



157, 204, 255

Triad

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



158, 205, 250



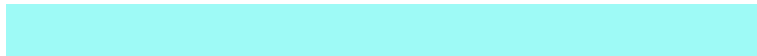
254, 223, 255



226, 255, 181

Complementary

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



158, 205, 250



250, 158, 162

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, 232, 197



158, 205, 250



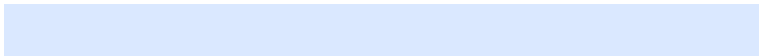
255, 216, 251

Square

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



158, 205, 250



218, 228, 255



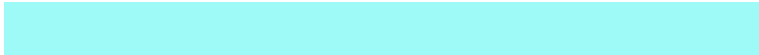
255, 214, 222



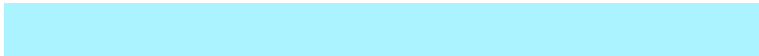
187, 242, 180

Rectangle

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



158, 205, 250



171, 210, 255



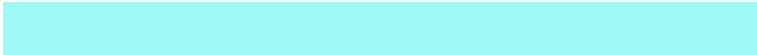
255, 214, 222



241, 255, 185

Sweetspot

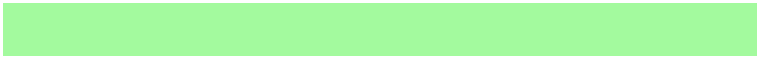
The Sweet Spot groups the original color and five complimentary colors.



158, 205, 250



227, 241, 255



158, 250, 245



111, 120, 128



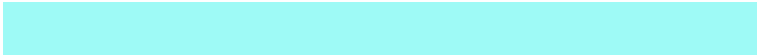
0, 0, 0



128, 128, 128

Same Dimension

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



158, 205, 250



143, 200, 255



158, 191, 250



112, 119, 125



0, 97, 189



0, 31, 61

Inverse Universe

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



250, 158, 162



255, 143, 148



250, 232, 158



125, 112, 113



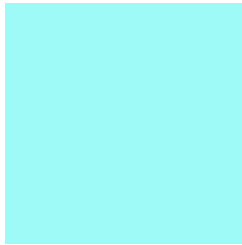
189, 0, 8



61, 0, 3

Previews

White Background



This preview shows how the RYB color 158, 205, 250 looks on a white background.

Color Contrast Check

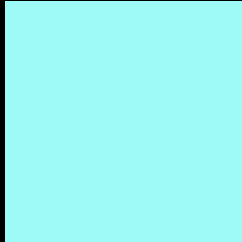
Large Text (above 18pt) WCAG AA × Fail

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, 205, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

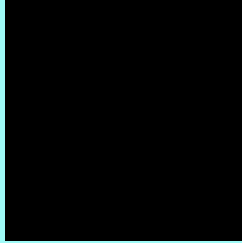
Any Text WCAG AA ✓ Pass

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, 205, 250 Background



This preview shows how black text looks on a background with the RYB color 158, 205, 250.



This preview shows how white text looks on a background with the RYB color 158, 205, 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





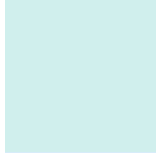
Tritanopia
192, 220, 255

Trichromacy



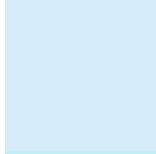
Original Color

158, 205, 250



Protanomaly

208, 224, 239



Deuteranomaly

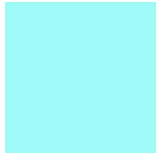
215, 228, 249



Tritanomaly

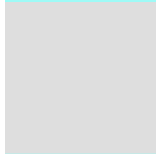
180, 214, 252

Monochromacy



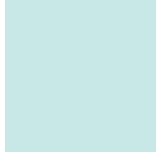
Original Color

158, 205, 250



Achromatopsia

222, 222, 222



Achromatomaly

199, 216, 232

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 205, 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 246) }
```

Border

The CSS property to change the border of an element to RYB 158, 205, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

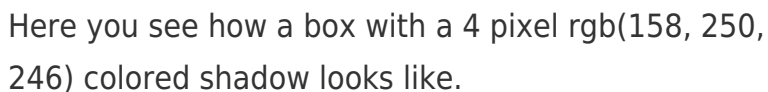
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 250, 246) }
```

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

```
.border{ border-color:rgb(158, 250, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 250, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 250, 246); box-shadow:4px 4px 4px 4px rgb(158, 250, 246) }
```

Background

The CSS property to change the background color of an element to RYB 158, 205, 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, 246) }
```

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

```
.background{ background-color: rgb(158,  
250, 246) }
```

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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