

Converting Colors

`RYB(118, 243, 219)`

Have a look what the booklet for
RYB(118, 243, 219) contains.

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Color

R_YB(118, 243, 219)

Conversions

Conversions Part 1

Format	Color
Hex	8EF376
RGB	142, 243, 118
RGB Percent	56%, 95%, 46%
CMY	0.4431, 0.0471, 0.5373
CMYK	0.42, 0.00, 0.51, 0.05
HSL	108°, 84%, 71%
HSV	108°, 51%, 95%
XYZ	46.4759, 71.1600, 28.4253
YIQ	198.5510, -20.0710, -60.2870

Conversions

Conversions Part 2

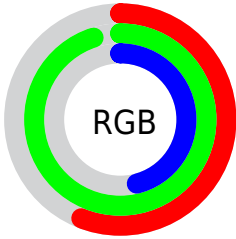
Format	Color
RYB	118, 243, 219
Decimal	9368438
CIELab	87.56, -52.48, 50.73
CIElCh	88, 72.992, 135.969
Yxy	71.1600, 0.3182, 0.4872
Android (android.graphics.Color)	4287558518 (0xFF8EF376)
YUV	198.5510, -39.7116, -49.5952
Hunter-Lab	84.3564, -49.2795, 39.0707

Details

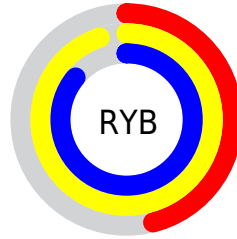
The RYB color **118, 243, 219** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **219, 118, 243**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **173, 255, 228**, and **65, 186, 167** is the 20% darker color. If you saturate the color by 10%, you get **94, 243, 215**, and if you desaturate by 10%, it is **142, 243, 223**.

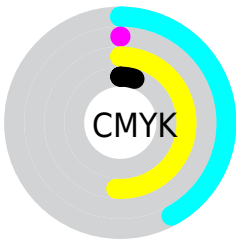
Distribution



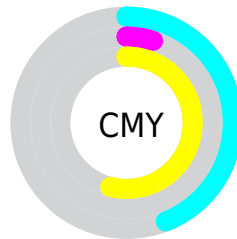
- Red (56%)
- Green (95%)
- Blue (46%)



- Red (46%)
- Yellow (95%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (51%)
- Black (5%)



- Cyan (44%)
- Magenta (5%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 243, 219 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 118, 243, 219 by changing the saturation by 10% instead.

 118, 243, 219

255, 255, 255


 173, 255, 228


 201, 255, 226

 229, 255, 229

 118, 243, 219


 91, 214, 192

 65, 186, 167


 38, 159, 145

 1, 132, 130

 0, 106, 106

 0, 80, 80

 0, 56, 56

 0, 34, 34

 0, 0, 0

■ 118, 243, 219

■ 118, 243, 219

■ 94, 243, 215

■ 142, 243, 223

■ 69, 243, 209

■ 167, 243, 229

■ 45, 243, 205

■ 191, 243, 233

■ 21, 243, 201

■ 215, 243, 237

■ 0, 243, 196

■ 239, 243, 242

■ 255, 243, 255

Harmonies

Analogous

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



75, 227, 80



118, 243, 219



0, 145, 251

Triad

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



118, 243, 219



0, 123, 255



255, 158, 185

Complementary

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



118, 243, 219



219, 118, 243

Split Complementary

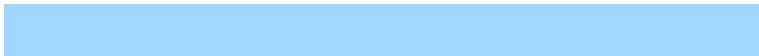
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 161, 255



118, 243, 219



162, 195, 255

Square

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



118, 243, 219



0, 126, 255



255, 186, 255



255, 216, 122

Rectangle

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



118, 243, 219



0, 132, 253



255, 186, 255



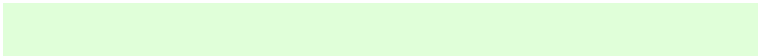
255, 156, 208

Sweetspot

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



118, 243, 219



217, 255, 248



149, 243, 118



105, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



118, 243, 219



97, 255, 225



118, 214, 243



110, 122, 119



0, 186, 150



0, 59, 48

Inverse Universe

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



219, 118, 243



225, 97, 255



243, 118, 205



120, 110, 122



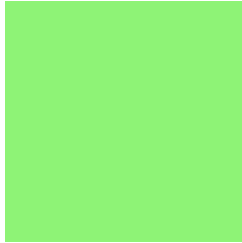
150, 0, 186



47, 0, 59

Previews

White Background



This preview shows how the RYB color 118, 243, 219 looks on a white background.

Color Contrast Check

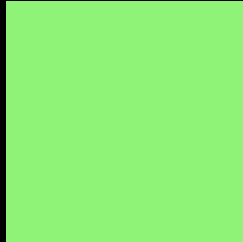
Large Text (above 18pt) WCAG AA × Fail

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 118, 243, 219 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 118, 243, 219 Background



This preview shows how black text looks on a background with the RYB color 118, 243, 219.

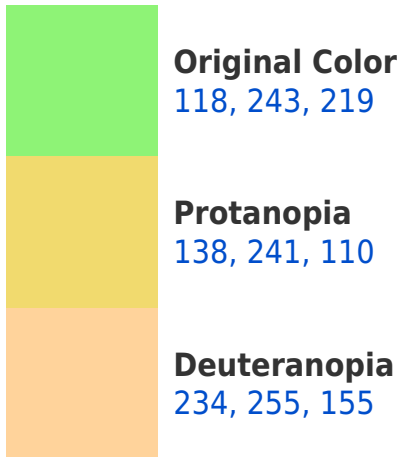


This preview shows how white text looks on a background with the RYB color 118, 243, 219.

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





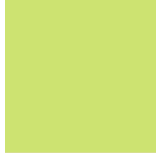
Tritanopia
166, 201, 247

Trichromacy



Original Color

118, 243, 219



Protanomaly

113, 227, 135



Deuteranomaly

142, 223, 151



Tritanomaly

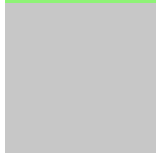
157, 206, 234

Monochromacy



Original Color

118, 243, 219



Achromatopsia

199, 199, 199



Achromatomaly

170, 215, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 243, 219 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(142, 243, 118)` looks like.

```
.text, #text, p{  
    color:rgb(142, 243, 118)  
}
```

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(142, 243, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 243, 118) }
```

Border

The CSS property to change the border of an element to RYB 118, 243, 219 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(142, 243, 118) }
```

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

```
.border{ border-color:rgb(142, 243, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 243, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 243, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 243, 118);  
box-shadow:4px 4px 4px 4px rgb(142, 243,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 118, 243, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 243, 118) }
```

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

```
.background{ background-color: rgb(142,  
243, 118) }
```

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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