

Converting Colors

`RYB(138, 231, 249)`

Have a look what the booklet for
RYB(138, 231, 249) contains.

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Color

R_YB(138, 231, 249)

Conversions

Conversions Part 1

Format	Color
Hex	8AF99F
RGB	138, 249, 159
RGB Percent	54%, 98%, 62%
CMY	0.4588, 0.0235, 0.3746
CMYK	0.45, 0.00, 0.36, 0.02
HSL	132°, 90%, 76%
HSV	132°, 45%, 98%
XYZ	50.6570, 75.6747, 44.9582
YIQ	205.5510, -37.2660, -51.5220

Conversions

Conversions Part 2

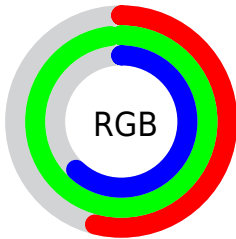
Format	Color
RYB	138, 231, 249
Decimal	9107871
CIELab	89.71, -50.25, 33.33
CIElCh	90, 60.297, 146.448
Yxy	75.6747, 0.2957, 0.4418
Android (android.graphics.Color)	4287297951 (0xFF8AF99F)
YUV	205.5510, -22.9496, -59.2422
Hunter-Lab	86.9912, -48.2899, 30.2519

Details

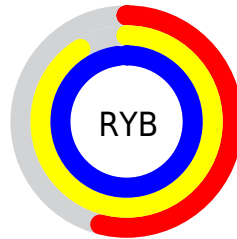
The RYB color **138, 231, 249** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **249, 138, 228**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **196, 241, 255**, and **80, 170, 192** is the 20% darker color. If you saturate the color by 10%, you get **113, 227, 249**, and if you desaturate by 10%, it is **163, 235, 249**.

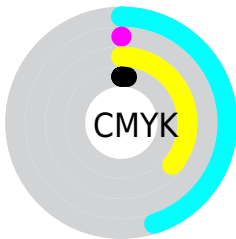
Distribution



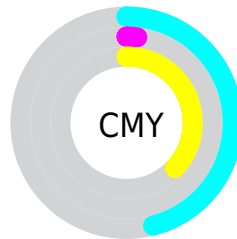
- Red (54%)
- Green (98%)
- Blue (62%)



- Red (54%)
- Yellow (91%)
- Blue (98%)



- Cyan (45%)
- Magenta (0%)
- Yellow (36%)
- Black (2%)



- Cyan (46%)
- Magenta (2%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 231, 249 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 138, 231, 249 by changing the saturation by 10% instead.

 138, 231, 249


255, 255, 255


 196, 241, 255

 226, 244, 255

 138, 231, 249

 109, 200, 220

 80, 170, 192


 47, 137, 164

 0, 96, 137

 0, 85, 111

 0, 79, 86

 0, 61, 61

 0, 39, 39

 0, 0, 0

 138, 231, 249

 138, 231, 249

 113, 227, 249

 163, 235, 249

 88, 223, 249

 188, 239, 249

 63, 219, 249

 213, 243, 249

 38, 215, 249

 238, 247, 249

 13, 211, 249

 255, 249, 255

 0, 209, 249

Harmonies

Analogous

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



118, 237, 146



138, 231, 249



0, 138, 255

Triad

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



138, 231, 249



106, 175, 255



255, 182, 177

Complementary

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



138, 231, 249



249, 138, 228

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, 178, 235



138, 231, 249



219, 213, 255

Square

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



138, 231, 249



0, 126, 255



255, 191, 255



233, 255, 131

Rectangle

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



138, 231, 249



0, 128, 255



255, 191, 255



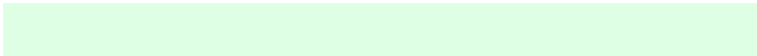
255, 178, 196

Sweetspot

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



138, 231, 249



222, 250, 255



138, 249, 158



107, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 231, 249



120, 233, 255



138, 204, 249



112, 123, 125



0, 158, 189



0, 51, 61

Inverse Universe

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



249, 138, 228



255, 120, 229



249, 138, 173



125, 112, 123



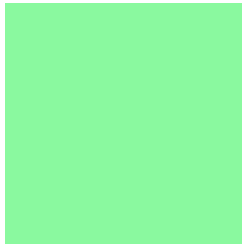
189, 0, 152



61, 0, 49

Previews

White Background



This preview shows how the RYB color 138, 231, 249 looks on a white background.

Color Contrast Check

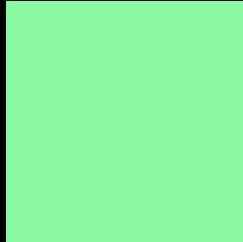
Large Text (above 18pt) WCAG AA × Fail

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 138, 231, 249 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 138, 231, 249 Background



This preview shows how black text looks on a background with the RYB color 138, 231, 249.

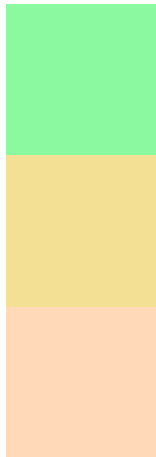


This preview shows how white text looks on a background with the RYB color 138, 231, 249.

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
138, 231, 249

Protanopia
173, 243, 149

Deuteranopia
255, 246, 184



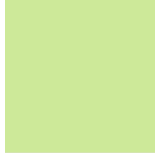
Tritanopia
163, 204, 255

Trichromacy



Original Color

138, 231, 249



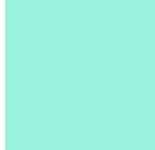
Protanomaly

153, 233, 181



Deuteranomaly

175, 229, 192



Tritanomaly

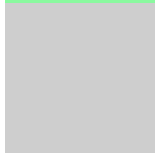
154, 203, 241

Monochromacy



Original Color

138, 231, 249



Achromatopsia

206, 206, 206



Achromatomaly

181, 215, 222

CSS Examples

Text

The CSS property to change the color of the text to RGB 138, 231, 249 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(138, 249, 159) looks like.

```
.text, #text, p{  
    color:rgb(138, 249, 159)  
}
```

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(138, 249, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 249, 159) }
```

Border

The CSS property to change the border of an element to RYB 138, 231, 249 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(138, 249, 159) }
```

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

```
.border{ border-color:rgb(138, 249, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 249, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 249, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 249, 159);  
box-shadow:4px 4px 4px 4px rgb(138, 249,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 138, 231, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 249, 159) }
```

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

```
.background{ background-color: rgb(138,  
249, 159) }
```

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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