

Converting Colors

`RYB(138, 219, 247)`

Have a look what the booklet for
RYB(138, 219, 247) contains.

RYB(138, 219, 247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(138, 219, 247)

Conversions

Conversions Part 1

Format	Color
Hex	8AF7B0
RGB	138, 247, 176
RGB Percent	54%, 97%, 69%
CMY	0.4588, 0.0314, 0.3111
CMYK	0.44, 0.00, 0.29, 0.03
HSL	141°, 87%, 75%
HSV	141°, 44%, 97%
XYZ	51.5467, 75.0467, 52.6766
YIQ	206.3150, -42.1730, -45.1890

Conversions

Conversions Part 2

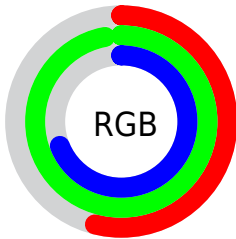
Format	Color
R_{YB}	138, 219, 247
Decimal	9107376
CIE _{Lab}	89.41, -46.63, 24.74
CIE _{LCh}	89, 52.786, 152.046
Yxy	75.0467, 0.2875, 0.4186
Android (android.graphics.Color)	4287297456 (0xFF8AF7B0)
YUV	206.3150, -14.9453, -59.9123
Hunter-Lab	86.6295, -45.3896, 24.5883

Details

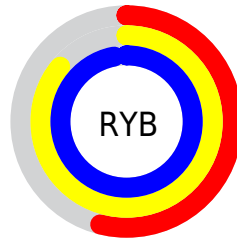
The RYB color **138, 219, 247** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **247, 138, 209**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **196, 233, 255**, and **80, 159, 190** is the 20% darker color. If you saturate the color by 10%, you get **113, 212, 247**, and if you desaturate by 10%, it is **163, 225, 247**.

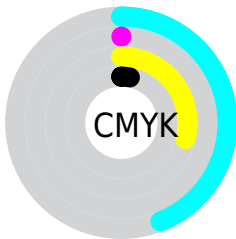
Distribution



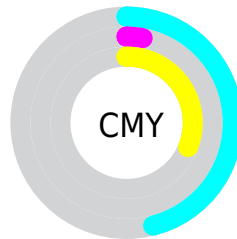
- Red (54%)
- Green (97%)
- Blue (69%)



- Red (54%)
- Yellow (86%)
- Blue (97%)



- Cyan (44%)
- Magenta (0%)
- Yellow (29%)
- Black (3%)



- Cyan (46%)
- Magenta (3%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 219, 247 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, 219, 247 by changing the saturation by 10% instead.

 138, 219, 247


255, 255, 255


 196, 233, 255

 225, 240, 255

 138, 219, 247


 109, 189, 218

 80, 159, 190


 49, 128, 162

 0, 88, 135

 0, 75, 109

 0, 64, 84

 0, 56, 60

 0, 38, 38

 0, 0, 0

 138, 219, 247

 138, 219, 247

 113, 212, 247


 163, 225, 247

 89, 207, 247


 187, 231, 247

 64, 200, 247


 212, 238, 247

 39, 194, 247

 237, 245, 247

 14, 187, 247

 255, 247, 255

 0, 184, 247

Harmonies

Analogous

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



137, 238, 174



138, 219, 247



41, 152, 251

Triad

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



138, 219, 247



151, 196, 255



255, 194, 174

Complementary

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



138, 219, 247



247, 138, 209

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, 184, 223



138, 219, 247



234, 210, 255

Square

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



138, 219, 247



0, 124, 255



255, 193, 255



224, 255, 137

Rectangle

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



138, 219, 247



0, 126, 255



255, 193, 255



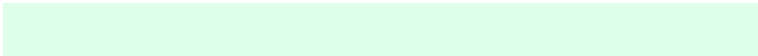
255, 186, 189

Sweetspot

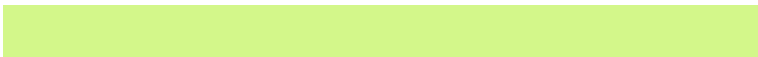
The Sweet Spot groups the original color and five complimentary colors.



138, 219, 247



222, 247, 255



138, 247, 174



107, 123, 128



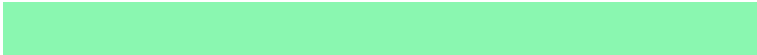
0, 0, 0



128, 128, 128

Same Dimension

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



138, 219, 247



120, 220, 255



138, 197, 247



110, 119, 122



0, 138, 186



0, 44, 59

Inverse Universe

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



247, 138, 209



255, 120, 208



247, 138, 156



122, 110, 118



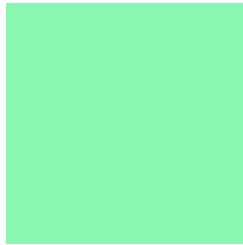
186, 0, 122



59, 0, 38

Previews

White Background



This preview shows how the RYB color 138, 219, 247 looks on a white background.

Color Contrast Check

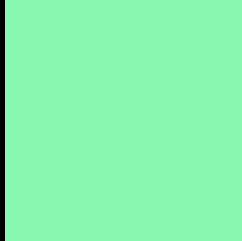
Large Text (above 18pt) WCAG AA × Fail

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, 219, 247 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

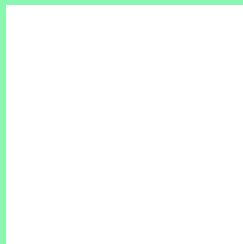
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 138, 219, 247 Background



This preview shows how black text looks on a background with the RYB color 138, 219, 247.

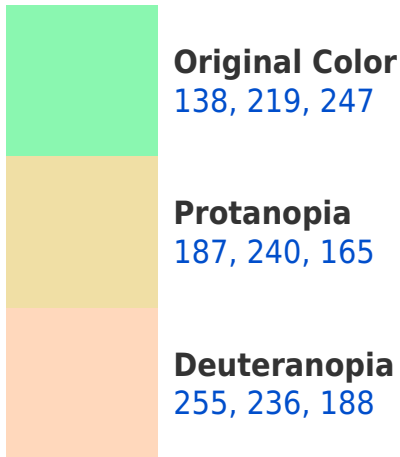


This preview shows how white text looks on a background with the RYB color 138, 219, 247.

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





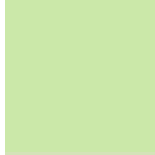
Tritanopia
159, 202, 255

Trichromacy



Original Color

138, 219, 247



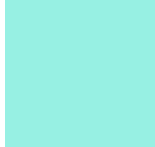
Protanomaly

169, 232, 198



Deuteranomaly

184, 227, 199



Tritanomaly

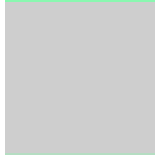
151, 199, 240

Monochromacy



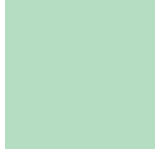
Original Color

138, 219, 247



Achromatopsia

206, 206, 206



Achromatomaly

181, 211, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 219, 247 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, 247, 176)` looks like.

```
.text, #text, p{  
    color:rgb(138, 247, 176)  
}
```

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, 247, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 247, 176) }
```

Border

The CSS property to change the border of an element to RYB 138, 219, 247 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, 247, 176) }
```

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

```
.border{ border-color:rgb(138, 247, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 247, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 247, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 247, 176);  
box-shadow:4px 4px 4px 4px rgb(138, 247,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 138, 219, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 247, 176) }
```

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

```
.background{ background-color: rgb(138,  
247, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor