

Converting Colors

`RYB(98, 255, 216)`

Have a look what the booklet for
RYB(98, 255, 216) contains.

RYB(98, 255, 216)	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

$\text{RYB}(98, 255, 216)$

Conversions

Conversions Part 1

Format	Color
Hex	89FF62
RGB	137, 255, 98
RGB Percent	54%, 100%, 38%
CMY	0.4627, 0.0000, 0.6157
CMYK	0.46, 0.00, 0.62, 0.00
HSL	105°, 100%, 69%
HSV	105°, 62%, 100%
XYZ	48.2811, 77.7202, 24.0121
YIQ	201.8200, -19.9310, -73.8430

Conversions

Conversions Part 2

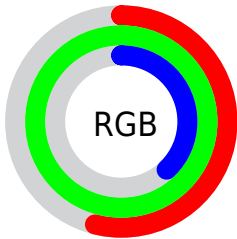
Format	Color
R_{YB}	98, 255, 216
Decimal	9043810
CIE _{Lab}	90.65, -60.76, 63.05
CIE _{LCh}	91, 87.561, 133.940
Yxy	77.7202, 0.3218, 0.5181
Android (android.graphics.Color)	4287233890 (0xFF89FF62)
YUV	201.8200, -51.1833, -56.8471
Hunter-Lab	88.1591, -56.5212, 45.5624

Details

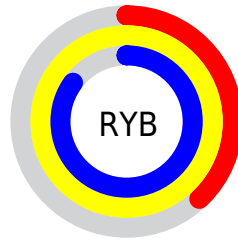
The RYB color **98, 255, 216** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **216, 98, 255**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **154, 255, 212**, and **39, 197, 162** is the 20% darker color. If you saturate the color by 10%, you get **73, 255, 210**, and if you desaturate by 10%, it is **123, 255, 222**.

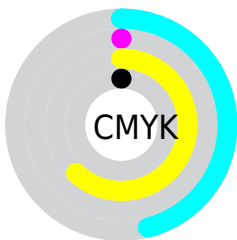
Distribution



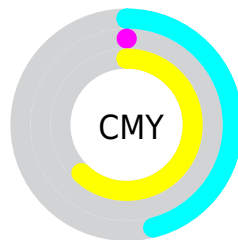
- Red (54%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (85%)



- Cyan (46%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)


















- Cyan (46%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 98, 255, 216 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 98, 255, 216 by changing the saturation by 10% instead.

 98, 255, 216	 98, 255, 216
255, 255, 255	 70, 226, 189
 154, 255, 212	 39, 197, 162
 182, 255, 210	 0, 169, 134
 211, 255, 211	 0, 142, 142
 240, 255, 240	 0, 116, 116
	 0, 90, 90
	 0, 65, 65
	 0, 42, 42
	 0, 4, 4

■ 98, 255, 216

■ 98, 255, 216

■ 73, 255, 210

■ 123, 255, 222

■ 47, 255, 203

■ 149, 255, 229

■ 22, 255, 197

■ 175, 255, 236

■ 0, 255, 192

■ 200, 255, 241

■ 226, 255, 248

■ 251, 255, 254

255, 255, 255

Harmonies

Analogous

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



34, 236, 36



98, 255, 216



0, 150, 255

Triad

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



98, 255, 216



0, 126, 255



255, 147, 193

Complementary

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



98, 255, 216



216, 98, 255

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, 154, 255



98, 255, 216



130, 184, 255

Square

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



98, 255, 216



0, 128, 255



255, 188, 255



255, 214, 115

Rectangle

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



98, 255, 216



0, 132, 255



255, 188, 255



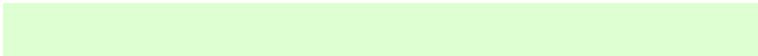
255, 145, 221

Sweetspot

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



98, 255, 216



209, 255, 243



150, 255, 98



99, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



98, 255, 216



66, 255, 208



98, 224, 255



115, 128, 125



0, 191, 143



0, 64, 48

Inverse Universe

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



216, 98, 255



208, 66, 255



255, 98, 216



124, 115, 128



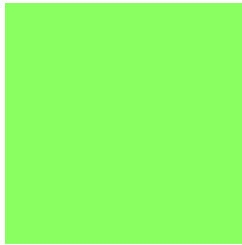
144, 0, 191



48, 0, 64

Previews

White Background



This preview shows how the RYB color 98, 255, 216 looks on a white background.

Color Contrast Check

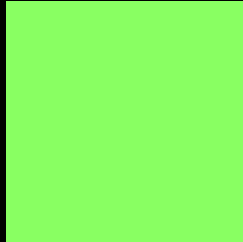
Large Text (above 18pt) WCAG AA × Fail

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 98, 255, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

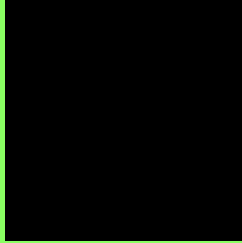
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

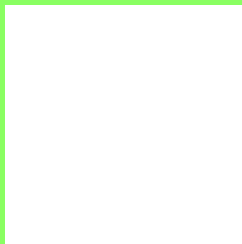
Any Text WCAG AAA ✓ Pass

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

RYB 98, 255, 216 Background



This preview shows how black text looks on a background with the RYB color 98, 255, 216.

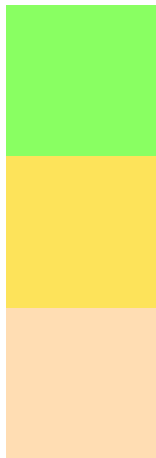


This preview shows how white text looks on a background with the RYB color 98, 255, 216.

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
98, 255, 216

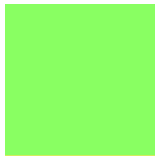
Protanopia
121, 253, 90

Deuteranopia
241, 255, 179



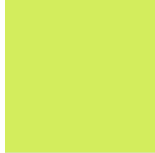
Tritanopia
174, 210, 255

Trichromacy



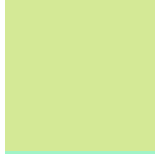
Original Color

98, 255, 216



Protanomaly

93, 237, 119



Deuteranomaly

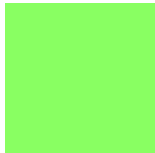
150, 233, 171



Tritanomaly

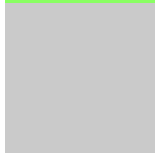
161, 218, 244

Monochromacy



Original Color

98, 255, 216



Achromatopsia

202, 202, 202



Achromatomaly

164, 221, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 255, 216 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(137, 255, 98)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 98)  
}
```

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(137, 255, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 98) }
```

Border

The CSS property to change the border of an element to RYB 98, 255, 216 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(137, 255, 98) }
```

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

```
.border{ border-color:rgb(137, 255, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 98);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
98) }
```

Background

The CSS property to change the background color of an element to RGB 98, 255, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 98) }
```

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

```
.background{ background-color: rgb(137,  
255, 98) }
```

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