

Converting Colors

`RYB(89, 228, 251)`

Have a look what the booklet for
RYB(89, 228, 251) contains.

RYB(89, 228, 251)	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(89, 228, 251)

Conversions

Conversions Part 1

Format	Color
Hex	59FB74
RGB	89, 251, 116
RGB Percent	35%, 98%, 45%
CMY	0.6510, 0.0157, 0.5459
CMYK	0.65, 0.00, 0.54, 0.02
HSL	130°, 95%, 67%
HSV	130°, 65%, 98%
XYZ	41.7581, 72.3746, 28.2326
YIQ	187.1720, -53.2170, -76.3290

Conversions

Conversions Part 2

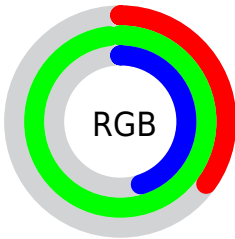
Format	Color
RYB	89, 228, 251
Decimal	5897076
CIELab	88.15, -68.81, 52.03
CIELCh	88, 86.269, 142.905
Yxy	72.3746, 0.2933, 0.5084
Android (android.graphics.Color)	4284087156 (0xFF59FB74)
YUV	187.1720, -35.0878, -86.0968
Hunter-Lab	85.0733, -61.2618, 39.8752

Details

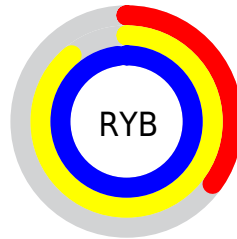
The RYB color **89, 228, 251** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **251, 89, 224**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **155, 241, 255**, and **0, 146, 193** is the 20% darker color. If you saturate the color by 10%, you get **64, 224, 251**, and if you desaturate by 10%, it is **114, 231, 251**.

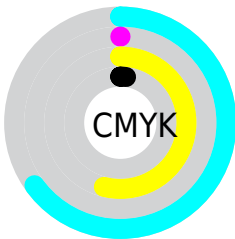
Distribution



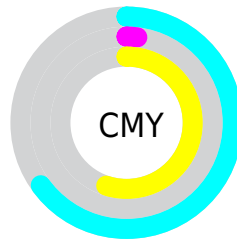
- Red (35%)
- Green (98%)
- Blue (45%)



- Red (35%)
- Yellow (89%)
- Blue (98%)



- Cyan (65%)
- Magenta (0%)
- Yellow (54%)
- Black (2%)



- Cyan (65%)
- Magenta (2%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 228, 251 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 89, 228, 251 by changing the saturation by 10% instead.



89, 228, 251



89, 228, 251

255, 255, 255



49, 190, 222



155, 241, 255



0, 146, 193



186, 244, 255



0, 137, 165



217, 247, 255



0, 138, 138



248, 252, 255



0, 111, 111



0, 85, 85



0, 60, 60



0, 35, 35



0, 0, 0

■ 89, 228, 251

■ 89, 228, 251

■ 64, 224, 251

■ 114, 231, 251

■ 39, 221, 251

■ 139, 235, 251

■ 14, 218, 251

■ 164, 238, 251

■ 0, 215, 251

■ 189, 242, 251

■ 215, 246, 251

■ 240, 250, 251

■ 255, 251, 255

Harmonies

Analogous

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



46, 236, 81



89, 228, 251



0, 144, 255

Triad

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



89, 228, 251



0, 123, 255



255, 146, 162

Complementary

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



89, 228, 251



251, 89, 224

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, 142, 244



89, 228, 251



183, 202, 255

Square

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



89, 228, 251



0, 127, 255



255, 171, 255



236, 255, 89

Rectangle

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



89, 228, 251



0, 128, 255



255, 171, 255



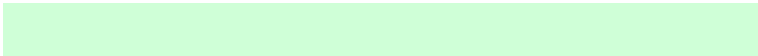
255, 141, 189

Sweetspot

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



89, 228, 251



207, 248, 255



89, 251, 113



98, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 228, 251



59, 227, 255



89, 187, 251



112, 123, 125



0, 162, 189



0, 52, 61

Inverse Universe

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



251, 89, 224



255, 59, 223



251, 89, 146



125, 112, 123



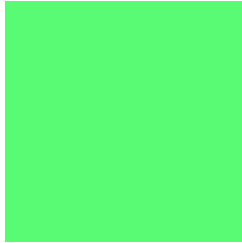
189, 0, 157



61, 0, 51

Previews

White Background



This preview shows how the RYB color 89, 228, 251 looks on a white background.

Color Contrast Check

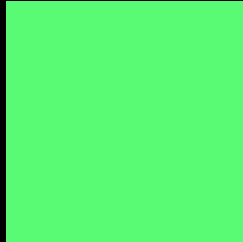
Large Text (above 18pt) WCAG AA × Fail

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 89, 228, 251 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 89, 228, 251 Background



This preview shows how black text looks on a background with the RYB color 89, 228, 251.

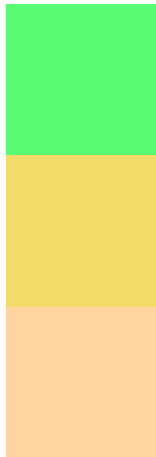


This preview shows how white text looks on a background with the RYB color 89, 228, 251.

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](#).

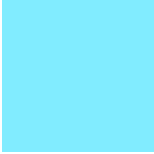
Dichromacy



Original Color
89, 228, 251

Protanopia
134, 243, 105

Deuteranopia
235, 255, 158

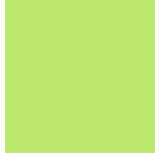


Tritanopia
129, 187, 255

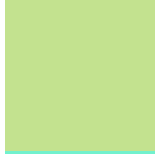
Trichromacy



Original Color
89, 228, 251



Protanomaly
109, 231, 153



Deuteranomaly
143, 226, 174



Tritanomaly
114, 188, 241

Monochromacy



Original Color
89, 228, 251



Achromatopsia
187, 187, 187



Achromatomaly
151, 201, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 228, 251 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(89, 251, 116)` looks like.

```
.text, #text, p{  
    color:rgb(89, 251, 116)  
}
```

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(89, 251, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 251, 116) }
```

Border

The CSS property to change the border of an element to RYB 89, 228, 251 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(89, 251, 116) }
```

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

```
.border{ border-color:rgb(89, 251, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 251, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 251, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 251, 116);  
box-shadow:4px 4px 4px 4px rgb(89, 251,  
116) }
```

Background

The CSS property to change the background color of an element to RGB 89, 228, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 251, 116) }
```

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

```
.background{ background-color: rgb(89, 251,  
116) }
```

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