

# Converting Colors

Hex(9FF81B)

Have a look what the booklet for  
Hex(9FF81B) contains.

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**Color**

**Hex(9FF81B)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 9FF81B                      |
| RGB         | 159, 248, 27                |
| RGB Percent | 62%, 97%, 11%               |
| CMY         | 0.3765, 0.0275, 0.8941      |
| CMYK        | 0.36, 0.00, 0.89, 0.03      |
| HSL         | 84°, 94%, 54%               |
| HSV         | 84°, 89%, 97%               |
| XYZ         | 48.0633, 74.5849, 12.9000   |
| YIQ         | 196.1950, 17.8970, -87.5990 |

# Conversions

## Conversions Part 2

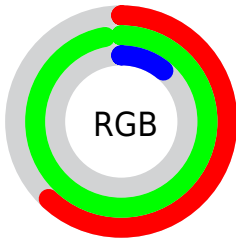
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 27, 248, 116                    |
| Decimal                             | 10483739                        |
| CIE <sub>Lab</sub>                  | 89.20, -55.09, 83.15            |
| CIE <sub>LCh</sub>                  | 89, 99.743, 123.528             |
| Yxy                                 | 74.5849, 0.3546,<br>0.5502      |
| Android<br>(android.graphics.Color) | 4288673819<br>(0xFF9FF81B)      |
| YUV                                 | 196.1950, -83.4131,<br>-32.6200 |
| Hunter-Lab                          | 86.3625, -51.7939,<br>51.5976   |

# Details

The Hex color **9FF81B** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **741BF8**, and the grayscale version is **C5C5C5**.

A 20% lighter version of the original color is **DCFF64**, and **62BF00** is the 20% darker color. If you saturate the color by 10%, you get **95F802**, and if you desaturate by 10%, it is **A9F834**.

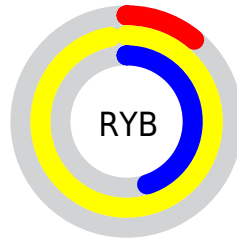
# Distribution



Red (62%)

Green (97%)

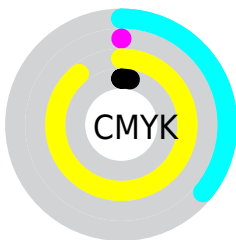
Blue (11%)



Red (11%)

Yellow (97%)

Blue (45%)

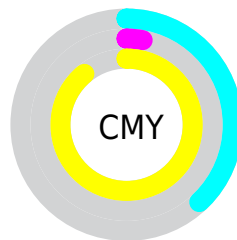


Cyan (36%)

Magenta (0%)

Yellow (89%)

Black (3%)



Cyan (38%)

Magenta (3%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9FF81B 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 Hex color 9FF81B by changing the saturation by 10% instead.



 9FF81B

 9FF81B

FFFFFF

 81DB00

 DCFF64

 62BF00

 FAFF82

 42A300

 FFFFA0

 1B8800

 FFFFBE

 006E00

 FFFFDB

 005500

 FFFFFA

 003C00

 002600

 000000

 9FF81B

 9FF81B

 95F802

 A9F834

 94F800

 B3F84D

 BDF865

 C7F87E

 D1F897

 DBF8B0

 E5F8C9

 EFF8E1

 F9F8FA

# Harmonies

## Analogous

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



FFE000



9FF81B



00FF86

# Triad

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



9FF81B



00FFFF



FF77D9

# Complementary

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



9FF81B



741BF8

# 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.



FF92FF



9FF81B



00E8FF

# Square

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



9FF81B



00FFFF



ECC1FF



FF8E7C

# Rectangle

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



9FF81B



00FC8



ECC1FF



FF7BF9

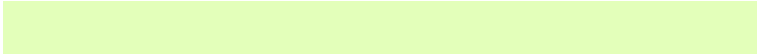


# Sweetspot

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



9FF81B



E3FFBA



F8731B



6F8057



000000



808080



# Same Dimension

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



9FF81B



98FF00



31F81B



787D70



71BD00



253D00



# Inverse Universe

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



741BF8



6700FF



E21BF8



75707D



4C00BD

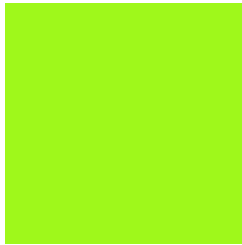


19003D



# Previews

## White Background



This preview shows how the Hex color 9FF81B looks on a white background.

## Color Contrast Check

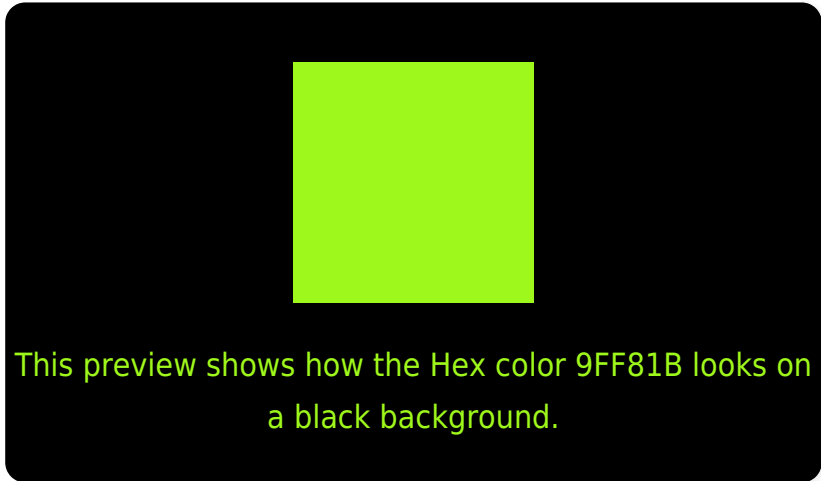
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

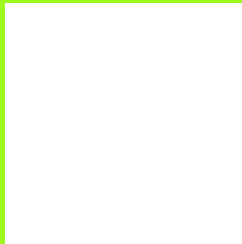
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 9FF81B Background



This preview shows how black text looks on a background with the Hex color 9FF81B.

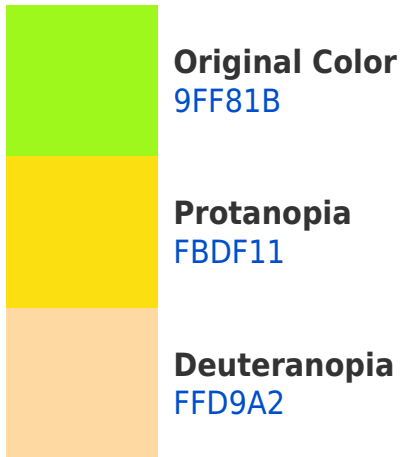


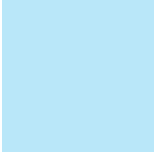
This preview shows how white text looks on a background with the Hex color 9FF81B.

# 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**  
B9E7F9

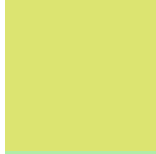
# Trichromacy



**Original Color**  
9FF81B



**Protanomaly**  
DAE815

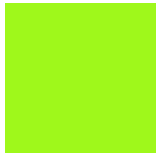


**Deuteranomaly**  
DCE471

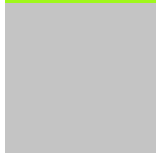


**Tritanomaly**  
B0EDA8

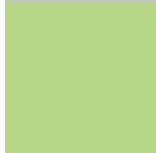
# Monochromacy



**Original Color**  
9FF81B



**Achromatopsia**  
C4C4C4



**Achromatomaly**  
B7D787

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9FF81B 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 #9FF81B looks like.

```
.text, #text, p{  
    color:#9FF81B  
}
```

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 #9FF81B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9FF81B
}
```

## Border

The CSS property to change the border of an element to Hex 9FF81B 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
#9FF81B }
```

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

```
.border{ border-color:#9FF81B }
```

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

Here you see how a box with a 4 pixel #9FF81B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9FF81B; -webkit-box-shadow:4px 4px  
4px 4px #9FF81B; box-shadow:4px 4px 4px  
4px #9FF81B }
```

# Background

The CSS property to change the background color of an element to Hex 9FF81B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9FF81B }
```

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

```
.background{ background-color:#9FF81B }
```

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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