

# Converting Colors

Hex(9BFA00)

Have a look what the booklet for  
Hex(9BFA00) contains.

<b>Hex(9BFA00)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(9BFA00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFA00
RGB	155, 250, 0
RGB Percent	61%, 98%, 0%
CMY	0.3922, 0.0196, 1.0000
CMYK	0.38, 0.00, 1.00, 0.02
HSL	83°, 100%, 49%
HSV	83°, 100%, 98%
XYZ	47.7032, 75.3398, 12.0278
YIQ	193.0950, 23.6300, -97.8900

# Conversions

## Conversions Part 2

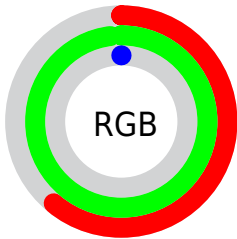
Format	Color
<a href="#">RYB</a>	<a href="#">0, 250, 95</a>
Decimal	<a href="#">10222080</a>
CIELab	<a href="#">89.55, -57.62, 86.02</a>
CIELCh	<a href="#">90, 103.535, 123.813</a>
Yxy	<a href="#">75.3398, 0.3532, 0.5578</a>
Android (android.graphics.Color)	<a href="#">4288412160 (0xFF9BFA00)</a>
YUV	<a href="#">193.0950, -95.1958, -33.4093</a>
Hunter-Lab	<a href="#">86.7985, -53.7964, 52.5430</a>

# Details

The Hex color **9BFA00** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **5F00FA**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **D8FF5D**, and **5DC100** is the 20% darker color. If you saturate the color by 10%, you get **9BFA00**, and if you desaturate by 10%, it is **A5FA19**.

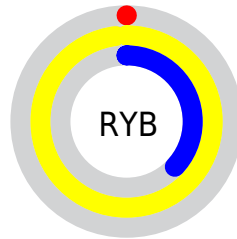
# Distribution



Red (61%)

Green (98%)

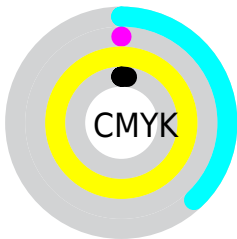
Blue (0%)



Red (0%)

Yellow (98%)

Blue (37%)

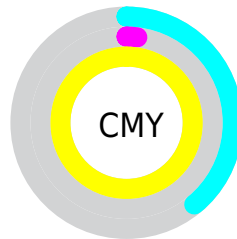


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (39%)

Magenta (2%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9BFA00 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 9BFA00 by changing the saturation by 10% instead.



 9BFA00

 9BFA00

FFFFFF

 7CDD00

 D8FF5D

 5DC100

 F7FF7B

 3BA500

 FFFF99

 0A8A00

 FFFFB7

 007000

 FFFFD5

 005600

 FFFFF4

 003E00

 002700

 000000

 9BFA00

 A5FA19

 AEFA32

 B8FA4B

 C1FA64

 CBFA7D

 D4FA96

 DEFAAF

 E7FAC8

 F1FAE1

# Harmonies

## Analogous

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



FFE100



9BFA00



00FF84

# Triad

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



9BFA00



00FFFF



FF70D9

# Complementary

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



9BFA00



5F00FA

# 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.



FF8DFF



9BFA00



00E9FF

# Square

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



9BFA00



00FFFF



EEC0FF



FF8B79

# Rectangle

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



9BFA00



00FFC9



EEC0FF



FF74FA

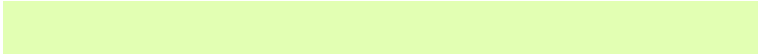


# Sweetspot

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



9BFA00



E2FFB3



FA5C00



6E8052



000000



808080



# Same Dimension

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



9BFA00



9EFF00



21FA00



787D70



75BD00



263D00



# Inverse Universe

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



5F00FA



6100FF



D900FA



75707D



4800BD

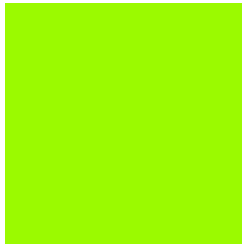


17003D



# Previews

## White Background



This preview shows how the Hex color 9BFA00 looks on a white background.

## Color Contrast Check

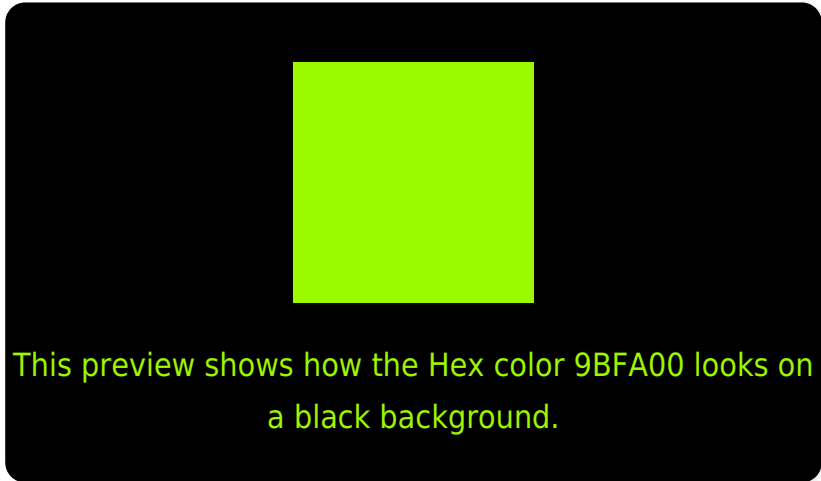
Large Text (above 18pt) WCAG AA × Fail

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

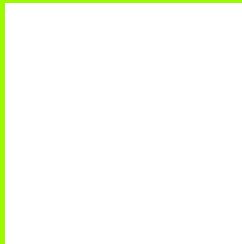
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 9BFA00 Background



This preview shows how black text looks on a background with the Hex color 9BFA00.

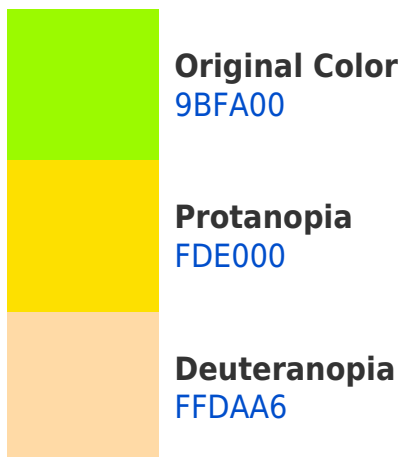


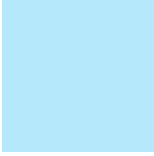
This preview shows how white text looks on a background with the Hex color 9BFA00.

# 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](#).

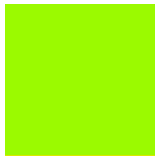
## Dichromacy





**Tritanopia**  
B6E8FB

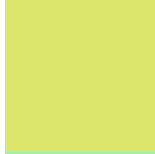
# Trichromacy



**Original Color**  
9BFA00



**Protanomaly**  
D9E900



**Deuteranomaly**  
DBE66A

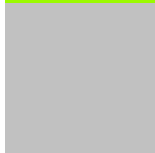


**Tritanomaly**  
ACEFA0

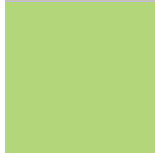
# Monochromacy



**Original Color**  
9BFA00



**Achromatopsia**  
C1C1C1



**Achromatomaly**  
B3D67B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9BFA00 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 #9BFA00 looks like.

```
.text, #text, p{  
    color:#9BFA00  
}
```

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 #9BFA00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9BFA00
}
```

## Border

The CSS property to change the border of an element to Hex 9BFA00 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
#9BFA00 }
```

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

```
.border{ border-color:#9BFA00 }
```

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

Here you see how a box with a 4 pixel #9BFA00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9BFA00; -webkit-box-shadow:4px 4px  
4px 4px #9BFA00; box-shadow:4px 4px 4px  
4px #9BFA00 }
```

# Background

The CSS property to change the background color of an element to Hex 9BFA00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9BFA00 }
```

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

```
.background{ background-color:#9BFA00 }
```

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