

# Converting Colors

Hex(9F80FF)

Have a look what the booklet for  
Hex(9F80FF) contains.

<b>Hex(9F80FF)</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(9F80FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F80FF
RGB	159, 128, 255
RGB Percent	62%, 50%, 100%
CMY	0.3765, 0.4980, 0.0000
CMYK	0.38, 0.50, 0.00, 0.00
HSL	255°, 100%, 75%
HSV	255°, 50%, 100%
XYZ	40.0672, 30.0293, 98.2922
YIQ	151.7470, -22.2910, 46.0690

# Conversions

## Conversions Part 2

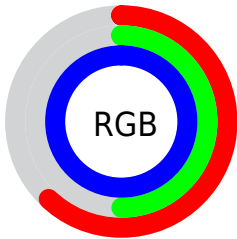
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 128, 255
Decimal	10453247
CIE <sub>Lab</sub>	61.68, 40.08, -59.36
CIE <sub>LCh</sub>	62, 71.626, 304.025
Yxy	30.0293, 0.2379, 0.1783
Android (android.graphics.Color)	4288643327 (0xFF9F80FF)
YUV	151.7470, 50.9037, 6.3609
Hunter-Lab	54.7990, 34.6153, -67.9884

# Details

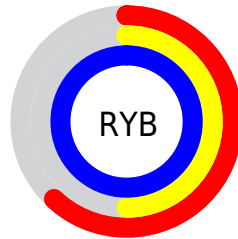
The Hex color **9F80FF** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **E0FF80**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **D9B5FF**, and **664EC5** is the 20% darker color. If you saturate the color by 10%, you get **8C67FF**, and if you desaturate by 10%, it is **B29AFF**.

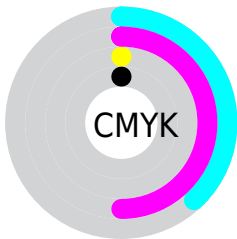
# Distribution



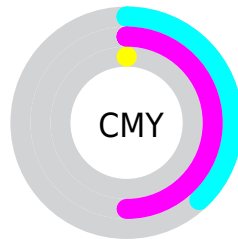
- Red (62%)
- Green (50%)
- Blue (100%)



- Red (62%)
- Yellow (50%)
- Blue (100%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9F80FF 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 9F80FF by changing the saturation by 10% instead.



 9F80FF

 9F80FF

FFFFFF

 8267E2

 D9B5FF

 664EC5

 F7D1FF

 4936AA

 FFEEFF

 281F8F

 000974

 00005B

 000442

 00032B

 000116

 9F80FF

 9F80FF

 8C67FF

 B29AFF

 784DFF

 C6B3FF

 6533FF

 D9CDFF

 521AFF

 ECE6FF

 3F00FF

FFFFFF

 3E00FF

# Harmonies

## Analogous

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



009AFF



9F80FF



E761CE

# Triad

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



9F80FF



DD7D16



00B29C

# Complementary

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



9F80FF



E0FF80

# 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.



00AE5A



9F80FF



AB9500

# Square

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



9F80FF



FE6052



69A518



00B1DB

# Rectangle

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



9F80FF



FF53A4



69A518



00B186



# Sweetspot

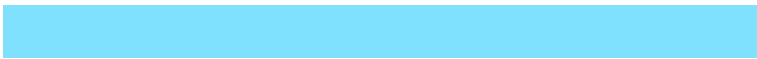
The Sweet Spot groups the original color and five complimentary colors.



9F80FF



E2D9FF



80E1FF



6E6980



000000



808080



# Same Dimension

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



9F80FF



8B66FF



DD80FF



767380



2F00BF



100040



# Inverse Universe

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



FF80E0



FF66DA



A2FF80



80737C



BF0091

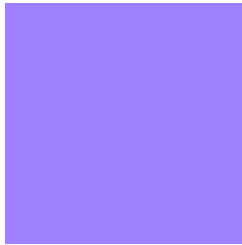


400030



# Previews

## White Background



This preview shows how the Hex color 9F80FF looks on a white background.

## Color Contrast Check

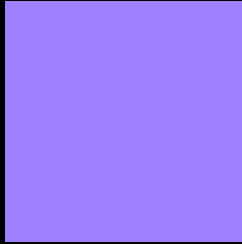
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the Hex color 9F80FF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

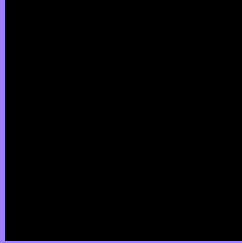
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 9F80FF Background



This preview shows how black text looks on a background with the Hex color 9F80FF.



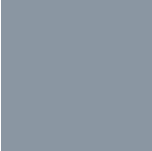
This preview shows how white text looks on a background with the Hex color 9F80FF.

# 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](#).

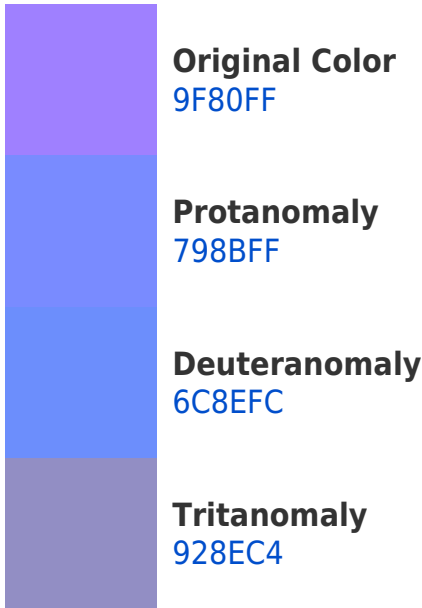
## Dichromacy



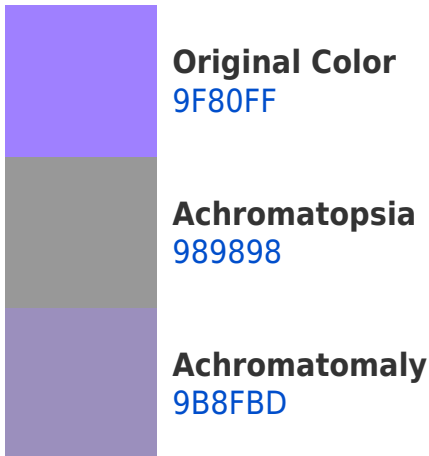


**Tritanopia**  
8A96A2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9F80FF 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 #9F80FF looks like.

```
.text, #text, p{  
    color:#9F80FF  
}
```

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 #9F80FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9F80FF
}
```

## Border

The CSS property to change the border of an element to Hex 9F80FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

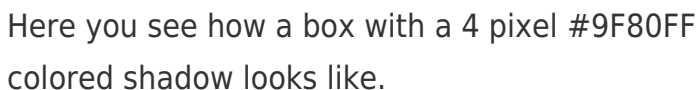
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9F80FF }
```

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

```
.border{ border-color:#9F80FF }
```

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



Here you see how a box with a 4 pixel #9F80FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9F80FF; -webkit-box-shadow:4px 4px  
4px 4px #9F80FF; box-shadow:4px 4px 4px  
4px #9F80FF }
```

# Background

The CSS property to change the background color of an element to Hex 9F80FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9F80FF }
```

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

```
.background{ background-color:#9F80FF }
```

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