

# Converting Colors

Hex(87FFF9)

Have a look what the booklet for  
Hex(87FFF9) contains.

<b>Hex(87FFF9)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(87FFF9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87FFF9
RGB	135, 255, 249
RGB Percent	53%, 100%, 98%
CMY	0.4706, 0.0000, 0.0235
CMYK	0.47, 0.00, 0.02, 0.00
HSL	177°, 100%, 76%
HSV	177°, 47%, 100%
XYZ	62.8506, 83.5104, 102.4291
YIQ	218.4360, -69.5940, -27.3060

# Conversions

## Conversions Part 2

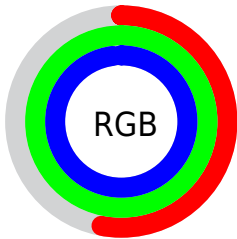
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 197, 255
Decimal	8912889
CIELab	93.24, -35.25, -7.63
CIElCh	93, 36.061, 192.211
Yxy	83.5104, 0.2526, 0.3357
Android (android.graphics.Color)	4287102969 (0xFF87FFF9)
YUV	218.4360, 15.0681, -73.1734
Hunter-Lab	91.3841, -37.1564, -2.4872

# Details

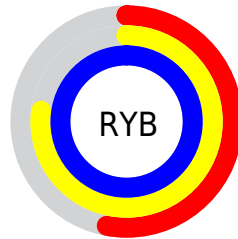
The Hex color **87FFF9** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **FF878D**, and the grayscale version is **DADADA**.

A 20% lighter version of the original color is **C3FFFF**, and **48C6C1** is the 20% darker color. If you saturate the color by 10%, you get **6EFFF8**, and if you desaturate by 10%, it is **A1FFFA**.

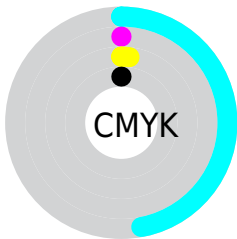
# Distribution



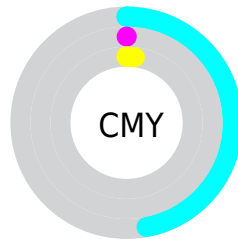
- Red (53%)
- Green (100%)
- Blue (98%)



- Red (53%)
- Yellow (77%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (47%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87FFF9 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 87FFF9 by changing the saturation by 10% instead.



 87FFF9

FFFFFF

 C3FFFF

 E1FFFF

 87FFF9

 69E2DC

 48C6C1

 20AAA6

 008F8B

 007572

 005C59

 004442

 002D2C

 001418

 87FFF9

 87FFF9

 6EFFF8

 A1FFFA

 54FFF6

 BAFFFC

 3AFFF5

 D4FFFD

 21FFF4

 EDFFFE

 08FFF3

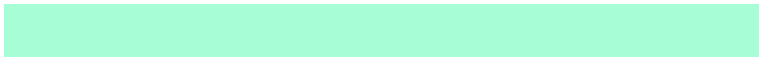
FFFFFF

 00FFF2

# Harmonies

## Analogous

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



A7FDD5



87FFF9



82FCFF

# Triad

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



87FFF9



FFDEFF



FFE2AA

# Complementary

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



87FFF9



FF878D

# 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.



FFD8BE



87FFF9



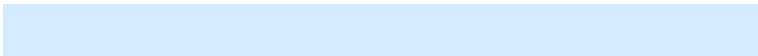
FFD4FF

# Square

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



87FFF9



D4EAFF



FFD2DE



F6EEA7

# Rectangle

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



87FFF9



94F8FF



FFD2DE

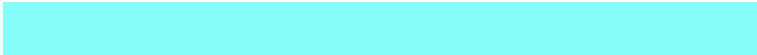


FFDEAF

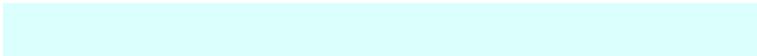


# Sweetspot

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



87FFF9



DBFFFD



8DFF87



6A807E



000000



808080



# Same Dimension

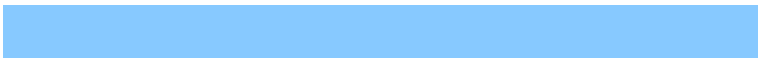
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87FFF9



70FFF8



87C9FF



73807F



00BFB6



00403D



# Inverse Universe

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



FF878D



FF7077



FFBD87



807373



BF000A

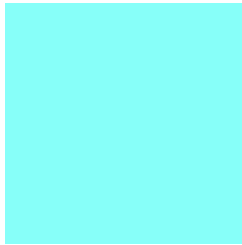


400003



# Previews

## White Background



This preview shows how the Hex color 87FFF9 looks on a white background.

## Color Contrast Check

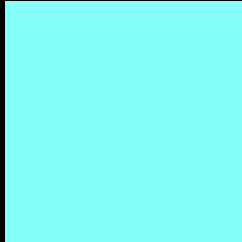
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 87FFF9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

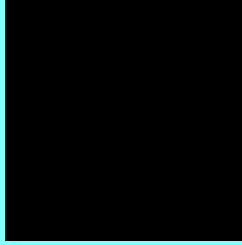
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87FFF9 Background



This preview shows how black text looks on a background with the Hex color 87FFF9.

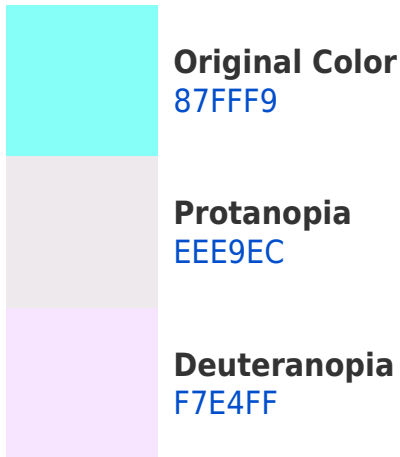


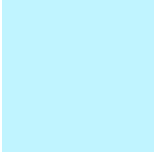
This preview shows how white text looks on a background with the Hex color 87FFF9.

# 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**  
C0F4FF

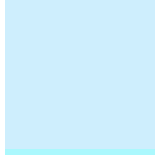
# Trichromacy



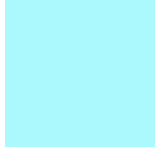
**Original Color**  
87FFF9



**Protanomaly**  
C9F1F1



**Deuteranomaly**  
CEEEFD

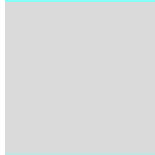


**Tritanomaly**  
ABF8FD

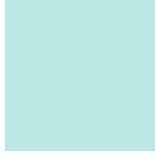
# Monochromacy



**Original Color**  
87FFF9



**Achromatopsia**  
DADADA



**Achromatomaly**  
BCE7E5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87FFF9 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 #87FFF9 looks like.

```
.text, #text, p{  
    color:#87FFF9  
}
```

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 #87FFF9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87FFF9  
}
```

## Border

The CSS property to change the border of an element to Hex 87FFF9 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  
#87FFF9 }
```

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

```
.border{ border-color:#87FFF9 }
```

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

Here you see how a box with a 4 pixel #87FFF9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87FFF9; -webkit-box-shadow:4px 4px  
4px 4px #87FFF9; box-shadow:4px 4px 4px  
4px #87FFF9 }
```

# Background

The CSS property to change the background color of an element to Hex 87FFF9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87FFF9 }
```

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

```
.background{ background-color:#87FFF9 }
```

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