

# Converting Colors

Hex(80FF9B)

Have a look what the booklet for  
Hex(80FF9B) contains.

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**Color**

**Hex(80FF9B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FF9B
RGB	128, 255, 155
RGB Percent	50%, 100%, 61%
CMY	0.4980, 0.0000, 0.3922
CMYK	0.50, 0.00, 0.39, 0.00
HSL	133°, 100%, 75%
HSV	133°, 50%, 100%
XYZ	50.5785, 78.4758, 43.4919
YIQ	205.6270, -43.5920, -58.0240

# Conversions

## Conversions Part 2

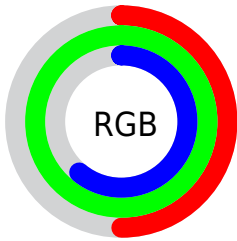
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">128, 233, 255</a>
Decimal	<a href="#">8454043</a>
CIELab	<a href="#">91.00, -56.01, 37.18</a>
CIElCh	<a href="#">91, 67.233, 146.422</a>
Yxy	<a href="#">78.4758, 0.2931, 0.4548</a>
Android (android.graphics.Color)	<a href="#">4286644123</a> ( <a href="#">0xFF80FF9B</a> )
YUV	<a href="#">205.6270, -24.9591, -68.0789</a>
Hunter-Lab	<a href="#">88.5865, -53.1119, 32.9019</a>

# Details

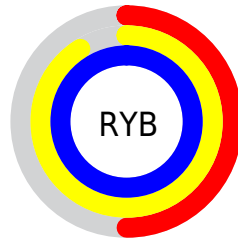
The Hex color **80FF9B** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **FF80E4**, and the grayscale version is **CECECE**.

A 20% lighter version of the original color is **BBFFD2**, and **42C566** is the 20% darker color. If you saturate the color by 10%, you get **67FF87**, and if you desaturate by 10%, it is **9AFFAF**.

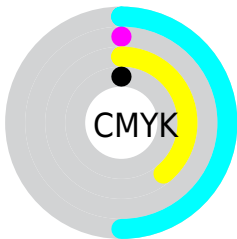
# Distribution



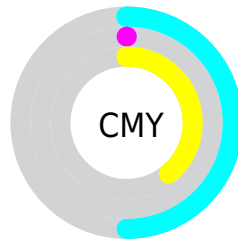
- Red (50%)
- Green (100%)
- Blue (61%)



- Red (50%)
- Yellow (91%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80FF9B 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 80FF9B by changing the saturation by 10% instead.



 80FF9B

FFFFFF

 BBFFD2

 D9FFEF

 F7FFFF

 80FF9B

 62E280

 42C566

 17A94D

 008E35

 00741C

 005A00

 004100

 002A00

 000700

 80FF9B

 80FF9B

 67FF87

 9AFFAF

 4DFF73

 B3FFC3

 33FF5F

 CDFFD7

 1AFF4B

 E6FFEB

 00FF37

FFFFFF

 00FF36

# Harmonies

## Analogous

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



D1F26C



80FF9B



00FFDB

# Triad

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



80FF9B



48EEFF



FFB3AF

# Complementary

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



80FF9B



FF80E4

# 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.



FFAEF0



80FF9B



DCD7FF

# Square

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



80FF9B



00FEFF



FFBEFF



FFC77B

# Rectangle

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



80FF9B



00FFFF



FFBEFF



FFAFC4

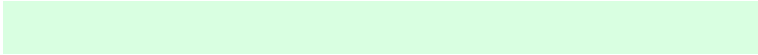


# Sweetspot

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



80FF9B



D9FFE1



E6FF80



69806D



000000



808080



# Same Dimension

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



80FF9B



66FF87



80FFD9



738075



00BF29



00400E



# Inverse Universe

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



FF80E4



FF66DE



FF80A6



80737D



BF0097

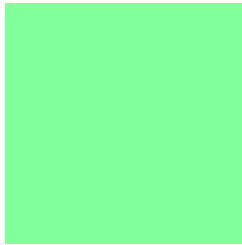


400032



# Previews

## White Background



This preview shows how the Hex color 80FF9B looks on a white background.

## Color Contrast Check

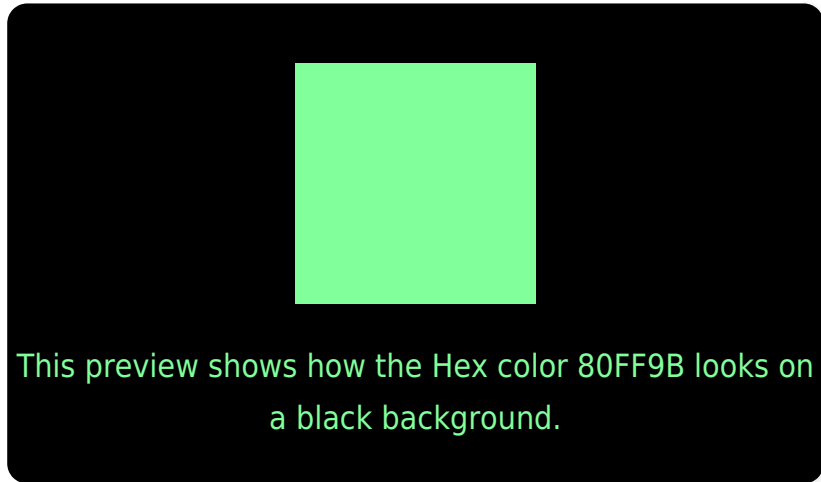
Large Text (above 18pt) WCAG AA × Fail

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

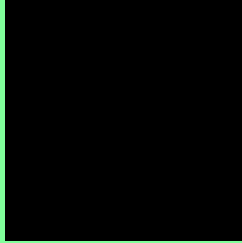
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80FF9B Background



This preview shows how black text looks on a background with the Hex color 80FF9B.

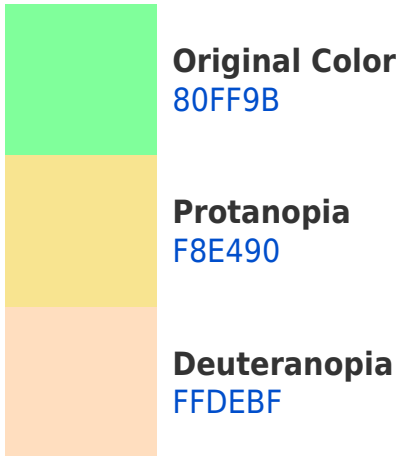


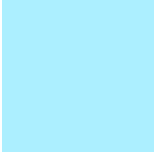
This preview shows how white text looks on a background with the Hex color 80FF9B.

# 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



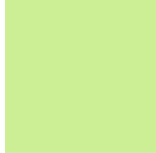


**Tritanopia**  
ACEFFF

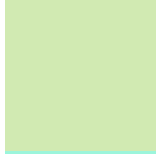
# Trichromacy



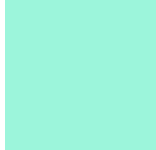
**Original Color**  
80FF9B



**Protanomaly**  
CCEE94

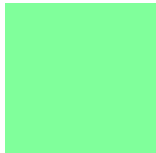


**Deuteranomaly**  
D1EAB2

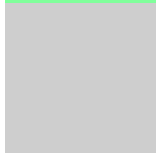


**Tritanomaly**  
9CF5DB

# Monochromacy



**Original Color**  
80FF9B



**Achromatopsia**  
CECECE



**Achromatomaly**  
B2E0BB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80FF9B 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 #80FF9B looks like.

```
.text, #text, p{  
    color:#80FF9B  
}
```

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 #80FF9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80FF9B
}
```

## Border

The CSS property to change the border of an element to Hex 80FF9B 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
#80FF9B }
```

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

```
.border{ border-color:#80FF9B }
```

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

Here you see how a box with a 4 pixel #80FF9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80FF9B; -webkit-box-shadow:4px 4px  
4px 4px #80FF9B; box-shadow:4px 4px 4px  
4px #80FF9B }
```

# Background

The CSS property to change the background color of an element to Hex 80FF9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80FF9B }
```

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

```
.background{ background-color:#80FF9B }
```

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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