

# Converting Colors

Hex(80FFE9)

Have a look what the booklet for  
Hex(80FFE9) contains.

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# **Color**

**Hex(80FFE9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FFE9
RGB	128, 255, 233
RGB Percent	50%, 100%, 91%
CMY	0.4980, 0.0000, 0.0863
CMYK	0.50, 0.00, 0.09, 0.00
HSL	170°, 100%, 75%
HSV	170°, 50%, 100%
XYZ	59.3701, 81.9924, 89.7878
YIQ	214.5190, -68.6300, -33.7660

# Conversions

## Conversions Part 2

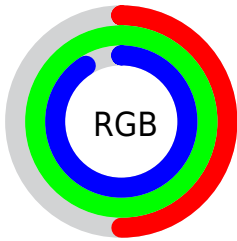
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 198, 255
Decimal	8454121
CIELab	92.57, -40.57, -0.36
CIELCh	93, 40.570, 180.504
Yxy	81.9924, 0.2568, 0.3547
Android (android.graphics.Color)	4286644201 (0xFF80FFE9)
YUV	214.5190, 9.1111, -75.8772
Hunter-Lab	90.5496, -41.4260, 4.5936

# Details

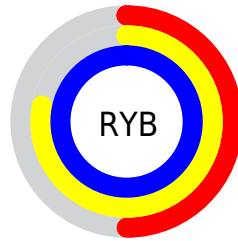
The Hex color **80FFE9** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **FF8096**, and the grayscale version is **D6D6D6**.

A 20% lighter version of the original color is **BCFFFF**, and **40C6B1** is the 20% darker color. If you saturate the color by 10%, you get **67FFE5**, and if you desaturate by 10%, it is **9AFFED**.

# Distribution



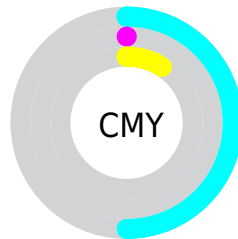
- Red (50%)
- Green (100%)
- Blue (91%)



- Red (50%)
- Yellow (78%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80FFE9 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 80FFE9 by changing the saturation by 10% instead.



 80FFE9

FFFFFF

 BCFFFF

 DAFFFF

 F8FFFF

 80FFE9

 61E2CD

 40C6B1

 10AA97

 008F7D

 007564

 005B4C

 004336

 002C20

 00110A

 80FFE9

 80FFE9

 67FFE5

 9AFFED

 4DFFE0

 B3FFF2

 33FFDC

 CDFFF6

 1AFFD7

 E6FFFB

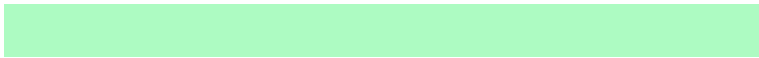
 00FFD3

FFFFFF

# Harmonies

## Analogous

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



ADFBC2



80FFE9



66FEFF

# Triad

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



80FFE9



F0DFFF



FFDAA7

# Complementary

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



80FFE9



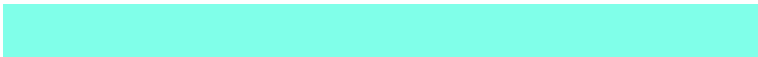
FF8096

# 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.



FFCFC4



80FFE9



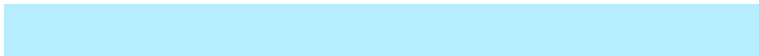
FFD3FF

# Square

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



80FFE9



B6EDFF



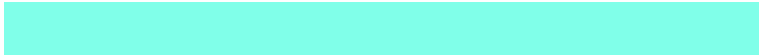
FFCCEA



FFE79B

# Rectangle

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



80FFE9



70FAFF



FFCCEA

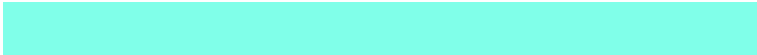


FFD6AF

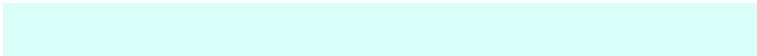


# Sweetspot

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



80FFE9



D9FFF8



97FF80



69807C



000000

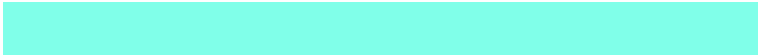


808080



# Same Dimension

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



80FFE9



66FFE4



80D7FF



73807D



00BF9E



004035



# Inverse Universe

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



FF8096



FF6681



FFA880



807375



BF0021

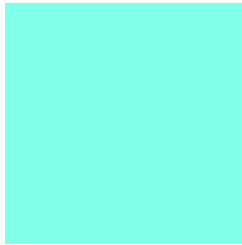


40000B



# Previews

## White Background



This preview shows how the Hex color 80FFE9 looks on a white background.

## Color Contrast Check

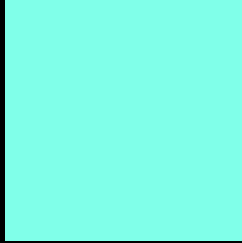
Large Text (above 18pt) WCAG AA × Fail

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 80FFE9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

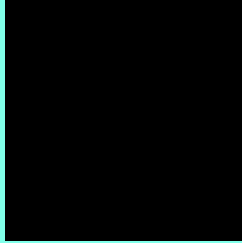
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80FFE9 Background



This preview shows how black text looks on a background with the Hex color 80FFE9.



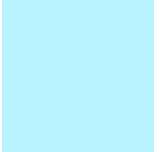
This preview shows how white text looks on a background with the Hex color 80FFE9.

# 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



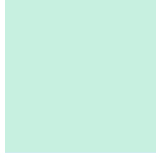


**Tritanopia**  
B9F3FF

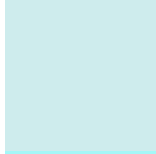
# Trichromacy



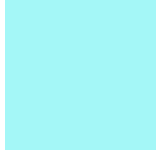
**Original Color**  
80FFE9



**Protanomaly**  
C7F0E1

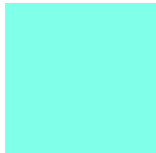


**Deuteranomaly**  
CEECED

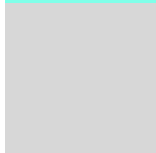


**Tritanomaly**  
A4F7F7

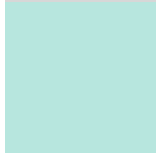
# Monochromacy



**Original Color**  
80FFE9



**Achromatopsia**  
D7D7D7



**Achromatomaly**  
B7E6DE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80FFE9 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 #80FFE9 looks like.

```
.text, #text, p{  
    color:#80FFE9  
}
```

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 #80FFE9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80FFE9
}
```

## Border

The CSS property to change the border of an element to Hex 80FFE9 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
#80FFE9 }
```

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

```
.border{ border-color:#80FFE9 }
```

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

Here you see how a box with a 4 pixel #80FFE9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80FFE9; -webkit-box-shadow:4px 4px  
4px 4px #80FFE9; box-shadow:4px 4px 4px  
4px #80FFE9 }
```

# Background

The CSS property to change the background color of an element to Hex 80FFE9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80FFE9 }
```

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

```
.background{ background-color:#80FFE9 }
```

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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