

# Converting Colors

Hex(87E4FF)

Have a look what the booklet for  
Hex(87E4FF) contains.

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# **Color**

**Hex(87E4FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E4FF
RGB	135, 228, 255
RGB Percent	53%, 89%, 100%
CMY	0.4706, 0.1059, 0.0000
CMYK	0.47, 0.11, 0.00, 0.00
HSL	193°, 100%, 76%
HSV	193°, 47%, 100%
XYZ	55.7851, 67.8577, 104.7654
YIQ	203.2710, -64.0950, -11.3190

# Conversions

## Conversions Part 2

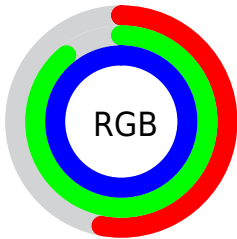
Format	Color
<a href="#">RYB</a>	<a href="#">135, 187, 255</a>
Decimal	<a href="#">8905983</a>
CIELab	<a href="#">85.94, -20.75, -21.70</a>
CIElCh	<a href="#">86, 30.019, 226.282</a>
Yxy	<a href="#">67.8577, 0.2442, 0.2971</a>
Android (android.graphics.Color)	<a href="#">4287096063 (0xFF87E4FF)</a>
YUV	<a href="#">203.2710, 25.5024, -59.8737</a>
Hunter-Lab	<a href="#">82.3758, -23.2770, -17.7419</a>

# Details

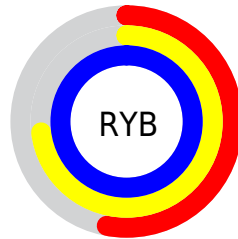
The Hex color **87E4FF** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **FFA287**, and the grayscale version is **CBCBCB**.

A 20% lighter version of the original color is **C2FFFF**, and **4BACC6** is the 20% darker color. If you saturate the color by 10%, you get **6EDEFF**, and if you desaturate by 10%, it is **A1EAFF**.

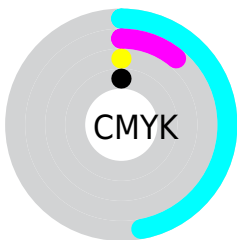
# Distribution



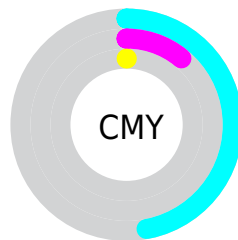
- Red (53%)
- Green (89%)
- Blue (100%)



- Red (53%)
- Yellow (73%)
- Blue (100%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87E4FF 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 87E4FF by changing the saturation by 10% instead.



 87E4FF

 87E4FF

FFFFFF

 69C8E2

 C2FFFF

 4BACC6

 E0FFFF

 2792AB

FEFFFF

 007890

 005F77

 00475E

 003046

 001D30

 00011B

 87E4FF

 87E4FF

 6EDEFF

 A1EAFF

 54D9FF

 BAEFFF

 3AD3FF

 D4F5FF

 21CDFF

 EDFBFF

 08C7FF

FFFFFF

 00C6FF

# Harmonies

## Analogous

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



86E7E6



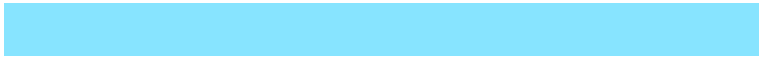
87E4FF



A2DDFF

# Triad

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



87E4FF



FFC4E5



DCDAA0

# Complementary

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



87E4FF



FFA287

# 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.



F8D1A0



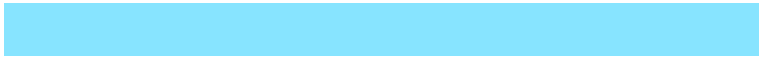
87E4FF



FFC3C8

# Square

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



87E4FF



EECAFE



FFC8AF



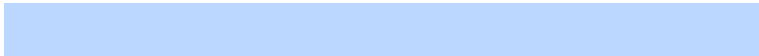
BBE2AF

# Rectangle

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



87E4FF



BCD7FF



FFC8AF

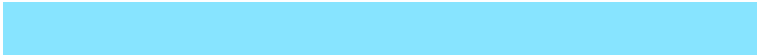


E6D79E

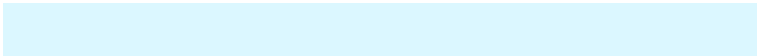


# Sweetspot

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



87E4FF



DBF7FF



87FFA1



6A7B80



000000

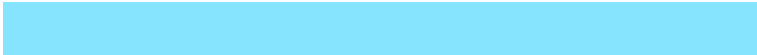


808080



# Same Dimension

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



87E4FF



70DFFF



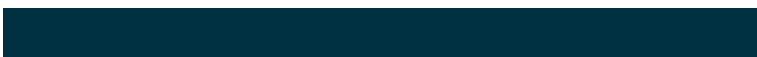
87A9FF



737D80



0094BF



003140



# Inverse Universe

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



FF87E4



FF70DF



FFDD87



80737D



BF0094

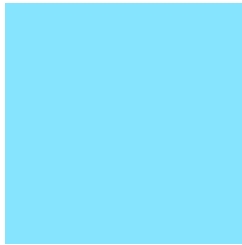


400031



# Previews

## White Background



This preview shows how the Hex color 87E4FF looks on a white background.

## Color Contrast Check

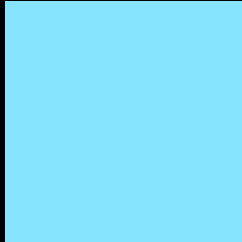
Large Text (above 18pt) WCAG AA × Fail

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 87E4FF 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 87E4FF Background



This preview shows how black text looks on a background with the Hex color 87E4FF.

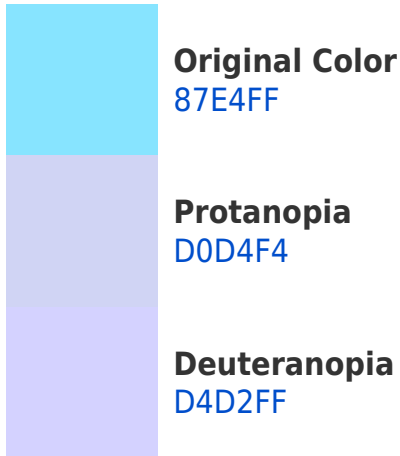


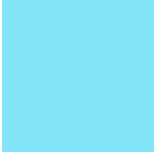
This preview shows how white text looks on a background with the Hex color 87E4FF.

# 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](#).

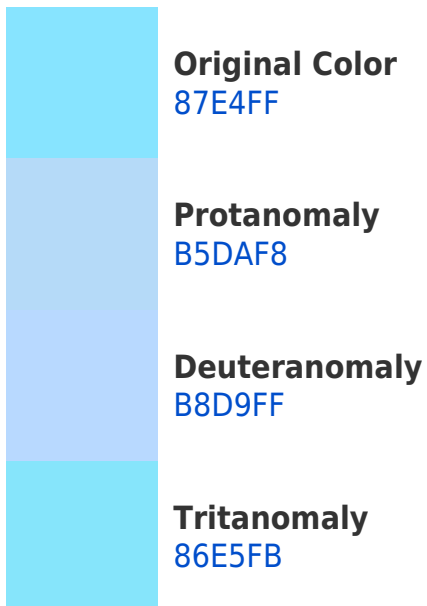
## Dichromacy



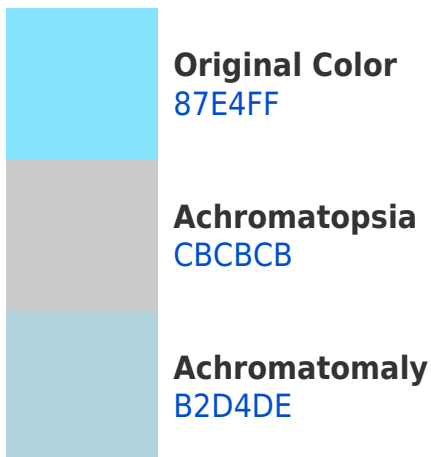


**Tritanopia**  
85E5F8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87E4FF 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 #87E4FF looks like.

```
.text, #text, p{  
    color:#87E4FF  
}
```

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 #87E4FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E4FF  
}
```

## Border

The CSS property to change the border of an element to Hex 87E4FF 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  
#87E4FF }
```

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

```
.border{ border-color:#87E4FF }
```

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

Here you see how a box with a 4 pixel #87E4FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E4FF; -webkit-box-shadow:4px 4px  
4px 4px #87E4FF; box-shadow:4px 4px 4px  
4px #87E4FF }
```

# Background

The CSS property to change the background color of an element to Hex 87E4FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E4FF }
```

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

```
.background{ background-color:#87E4FF }
```

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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