

# Converting Colors

Hex(87E3FF)

Have a look what the booklet for  
Hex(87E3FF) contains.

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# **Color**

**Hex(87E3FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E3FF
RGB	135, 227, 255
RGB Percent	53%, 89%, 100%
CMY	0.4706, 0.1098, 0.0000
CMYK	0.47, 0.11, 0.00, 0.00
HSL	194°, 100%, 76%
HSV	194°, 47%, 100%
XYZ	55.5108, 67.3091, 104.6740
YIQ	202.6840, -63.8200, -10.7960

# Conversions

## Conversions Part 2

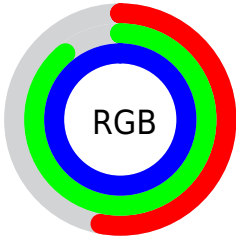
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 187, 255
Decimal	8905727
CIE <sub>Lab</sub>	85.66, -20.25, -22.11
CIE <sub>LCh</sub>	86, 29.982, 227.524
Yxy	67.3091, 0.2440, 0.2959
Android (android.graphics.Color)	4287095807 (0xFF87E3FF)
YUV	202.6840, 25.7918, -59.3589
Hunter-Lab	82.0421, -22.7982, -18.2161

# Details

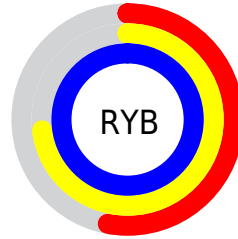
The Hex color **87E3FF** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **FFA387**, and the grayscale version is **CACACA**.

A 20% lighter version of the original color is **C2FFFF**, and **4BABC6** is the 20% darker color. If you saturate the color by 10%, you get **6EDDFF**, and if you desaturate by 10%, it is **A1E9FF**.

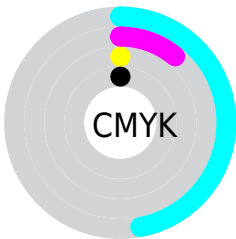
# Distribution



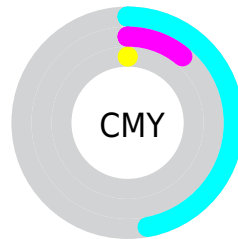
- Red (53%)
- Green (89%)
- Blue (100%)



- 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 87E3FF 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 87E3FF by changing the saturation by 10% instead.



 87E3FF

 87E3FF

FFFFFF

 69C7E2

 C2FFFF

 4BABC6

 E0FFFF

 2791AB

FEFFFF

 007790

 005E77

 00465E

 003046

 001D30

 00011B

 87E3FF

 87E3FF

 6EDDFF

 A1E9FF

 54D7FF

 BAEFFF

 3AD1FF


 D4F5FF

 21CBFF

 EDFBFF

 08C5FF

FFFFFF

 00C3FF

# Harmonies

## Analogous

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



85E6E6



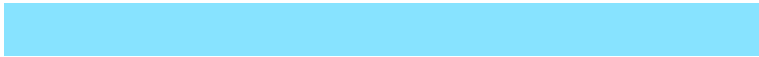
87E3FF



A3DCFF

# Triad

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



87E3FF



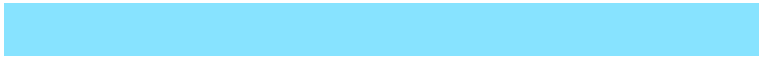
FFC3E3



DADAA0

# Complementary

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



87E3FF



FFA387

# 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.



F6D09F



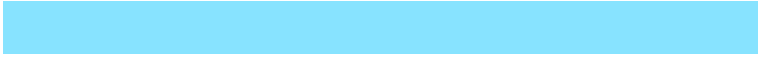
87E3FF



FFC2C6

# Square

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



87E3FF



EFC9FD



FFC7AD



B9E1AF

# Rectangle

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



87E3FF



BDD6FF



FFC7AD

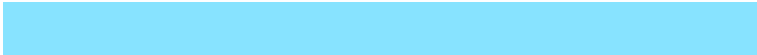


E4D79E

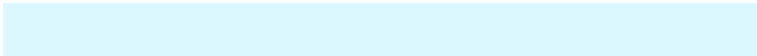


# Sweetspot

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



87E3FF



DBF7FF



87FFA3



6A7A80



000000

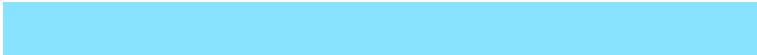


808080



# Same Dimension

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



87E3FF



70DEFF



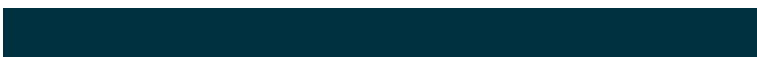
87A7FF



737D80



0093BF



003140



# Inverse Universe

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



FF87E3



FF70DE



FFDF87



80737D



BF0093

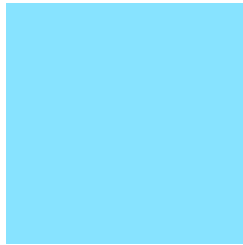


400031



# Previews

## White Background



This preview shows how the Hex color 87E3FF looks on a white background.

## Color Contrast Check

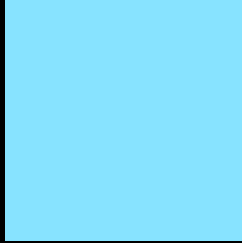
Large Text (above 18pt) WCAG AA × Fail

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 87E3FF 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 87E3FF Background



This preview shows how black text looks on a background with the Hex color 87E3FF.

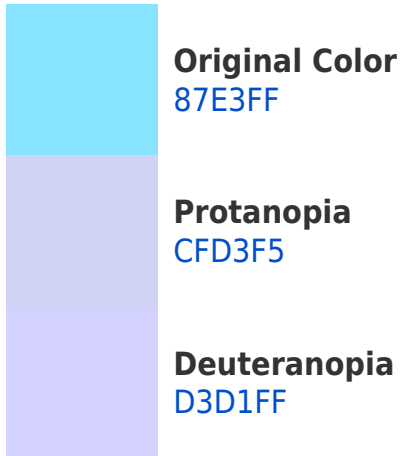


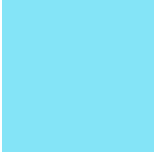
This preview shows how white text looks on a background with the Hex color 87E3FF.

# 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



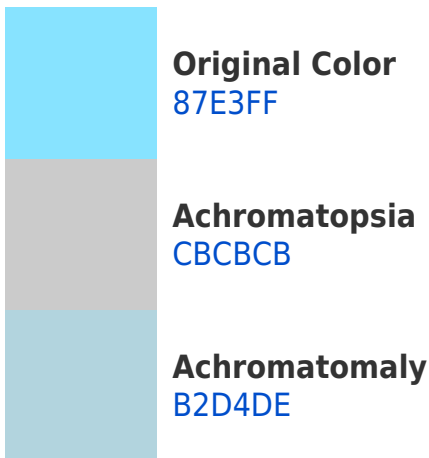


**Tritanopia**  
84E4F7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87E3FF 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 #87E3FF looks like.

```
.text, #text, p{  
    color:#87E3FF  
}
```

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 #87E3FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E3FF
}
```

## Border

The CSS property to change the border of an element to Hex 87E3FF 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
#87E3FF }
```

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

```
.border{ border-color:#87E3FF }
```

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

Here you see how a box with a 4 pixel #87E3FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E3FF; -webkit-box-shadow:4px 4px  
4px 4px #87E3FF; box-shadow:4px 4px 4px  
4px #87E3FF }
```

# Background

The CSS property to change the background color of an element to Hex 87E3FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E3FF }
```

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

```
.background{ background-color:#87E3FF }
```

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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