

Converting Colors

Hex(87CAF0)

Have a look what the booklet for
Hex(87CAF0) contains.

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Color

Hex(87CAF0)

Conversions

Conversions Part 1

Format	Color
Hex	87CAF0
RGB	135, 202, 240
RGB Percent	53%, 79%, 94%
CMY	0.4706, 0.2078, 0.0588
CMYK	0.44, 0.16, 0.00, 0.06
HSL	202°, 78%, 74%
HSV	202°, 44%, 94%
XYZ	46.8404, 53.6832, 90.3312
YIQ	186.2990, -52.1300, -2.3860

Conversions

Conversions Part 2

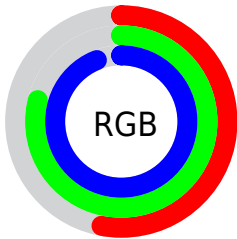
Format	Color
RYB	135, 176, 240
Decimal	8899312
CIELab	78.28, -11.43, -25.38
CIElCh	78, 27.834, 245.765
Yxy	53.6832, 0.2454, 0.2813
Android (android.graphics.Color)	4287089392 (0xFF87CAF0)
YUV	186.2990, 26.4746, -44.9892
Hunter-Lab	73.2688, -14.1064, -21.8089

Details

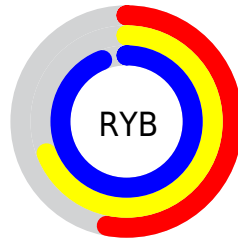
The Hex color **87CAF0** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **F0AD87**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **C0FFFF**, and **4E94B8** is the 20% darker color. If you saturate the color by 10%, you get **6FC1F0**, and if you desaturate by 10%, it is **9FD3F0**.

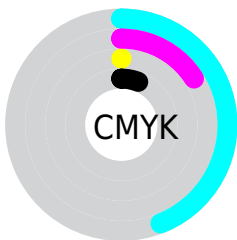
Distribution



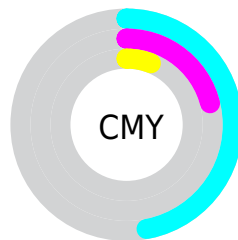
- Red (53%)
- Green (79%)
- Blue (94%)



- Red (53%)
- Yellow (69%)
- Blue (94%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87CAF0 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 87CAF0 by changing the saturation by 10% instead.

 87CAF0

 87CAF0

FFFFFF

 6BAFD4

 C0FFFF

 4E94B8

 DDFFFF

 2F7A9D

 FBFFFF

 006183

 004A69

 003351

 001E3A

 000224

 00000C

 87CAF0

 87CAF0

 6FC1F0

 9FD3F0

 57B9F0

 B7DBF0

 3FB0F0


 CFE4F0

 27A7F0

 E7EDF0

 0F9FF0

 FFF5F0

 0099F0

 FFFEFO

 FFFFF0

Harmonies

Analogous

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



76CFDF



87CAF0



A9C2F5

Triad

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



87CAF0



F5AFBD



B3C997

Complementary

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



87CAFO



F0AD87

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.



D0C28E



87CAF0



F4B2A5

Square

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



87CAF0



E7B2D7



E7B993



96CEAC

Rectangle

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



87CAF0



C1BCF0



E7B993



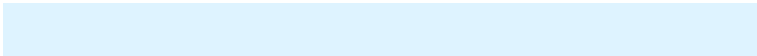
BDC793

Sweetspot

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



87CAF0



DEF3FF



87F0AC



6B7880



000000



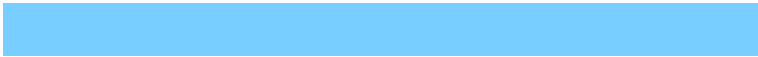
808080

Same Dimension

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



87CAF0



78CEFF



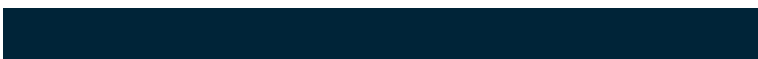
8797F0



6C7478



0075B8



002438

Inverse Universe

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



F087CA



FF78CE



F0E087



786C74



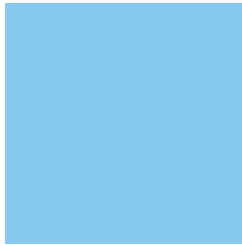
B80075



380024

Previews

White Background



This preview shows how the Hex color 87CAF0 looks on a white background.

Color Contrast Check

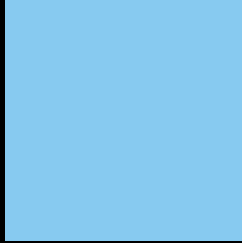
Large Text (above 18pt) WCAG AA × Fail

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 87CAF0 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 87CAF0 Background



This preview shows how black text looks on a background with the Hex color 87CAF0.

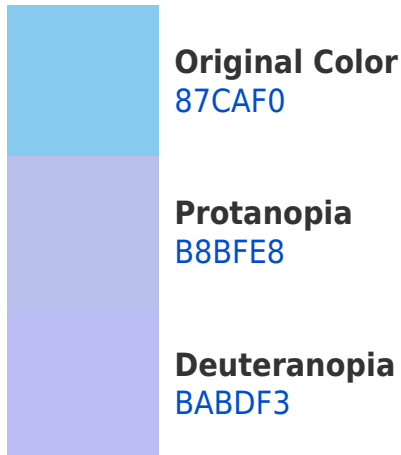


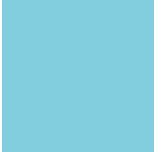
This preview shows how white text looks on a background with the Hex color 87CAF0.

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](#).

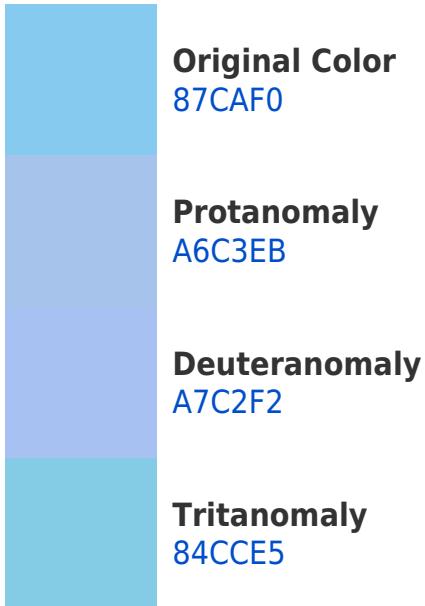
Dichromacy



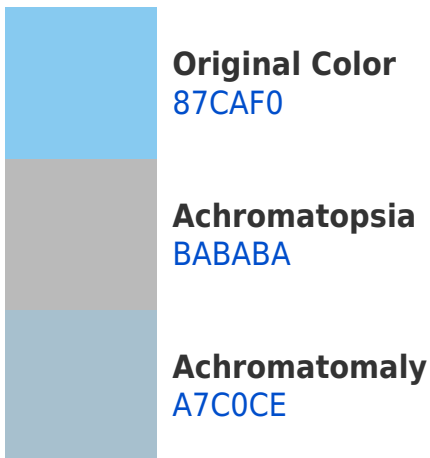


Tritanopia
82CDDE

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87CAF0 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 #87CAF0 looks like.

```
.text, #text, p{  
    color:#87CAF0  
}
```

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 #87CAF0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87CAF0  
}
```

Border

The CSS property to change the border of an element to Hex 87CAF0 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  
#87CAF0 }
```

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

```
.border{ border-color:#87CAF0 }
```

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

Here you see how a box with a 4 pixel #87CAF0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87CAF0; -webkit-box-shadow:4px 4px  
4px 4px #87CAF0; box-shadow:4px 4px 4px  
4px #87CAF0 }
```

Background

The CSS property to change the background color of an element to Hex 87CAF0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87CAF0 }
```

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

```
.background{ background-color:#87CAF0 }
```

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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