

Converting Colors

Hex(87B7E2)

Have a look what the booklet for
Hex(87B7E2) contains.

Hex(87B7E2)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(87B7E2)

Conversions

Conversions Part 1

Format	Color
Hex	87B7E2
RGB	135, 183, 226
RGB Percent	53%, 72%, 89%
CMY	0.4706, 0.2824, 0.1137
CMYK	0.40, 0.19, 0.00, 0.11
HSL	208°, 61%, 71%
HSV	208°, 40%, 89%
XYZ	40.6526, 44.5089, 78.4000
YIQ	173.5500, -42.4110, 3.1970

Conversions

Conversions Part 2

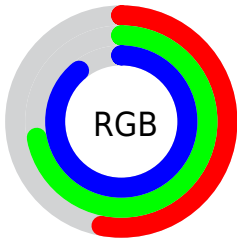
Format	Color
RYB	135, 166, 226
Decimal	8894434
CIELab	72.57, -5.03, -26.56
CIELCh	73, 27.030, 259.266
Yxy	44.5089, 0.2485, 0.2721
Android (android.graphics.Color)	4287084514 (0xFF87B7E2)
YUV	173.5500, 25.8578, -33.8084
Hunter-Lab	66.7150, -7.9826, -22.9741

Details

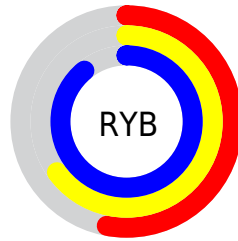
The Hex color **87B7E2** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **E2B287**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **BFEFFF**, and **5082AB** is the 20% darker color. If you saturate the color by 10%, you get **70ACE2**, and if you desaturate by 10%, it is **9EC2E2**.

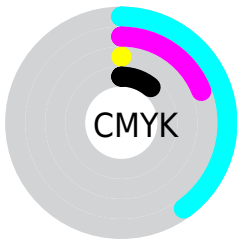
Distribution



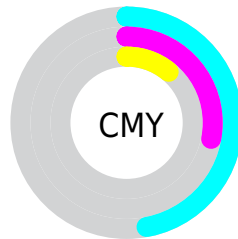
- Red (53%)
- Green (72%)
- Blue (89%)



- Red (53%)
- Yellow (65%)
- Blue (89%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87B7E2 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 87B7E2 by changing the saturation by 10% instead.

■ 87B7E2

■ 87B7E2

FFFFFF

■ 6C9CC6

■ BFEFFF

■ 5082AB

■ DCFFFF

■ 346990

■ F9FFFF

■ 125176

■ 003A5D

■ 002545

■ 00102F

■ 00011A

■ 000000

87B7E2

87B7E2

70ACE2

9EC2E2

5AA2E2

B4CCE2

4397E2

CBD7E2

2D8CE2

E1E2E2

1682E2

F8ECE2

0077E2

FFF7E2

FFFFE2

Harmonies

Analogous

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



6DBDD7



87B7E2



AAAFE0

Triad

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



87B7E2



E4A1A3



97BC91

Complementary

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



87B7E2



E2B287

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.



B3B583



87B7E2



DEA58E

Square

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



87B7E2



DEA1BC



CCAD82



7CBFA8

Rectangle

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



87B7E2



C0A9D8



CCAD82



A1BA8B

Sweetspot

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



87B7E2



E0F1FF



87E2B1



6E7780



000000



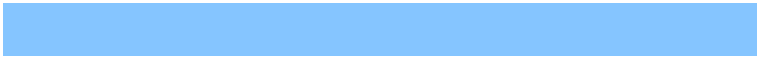
808080

Same Dimension

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



87B7E2



85C5FF



878AE2



656B70



005DB0



001A30

Inverse Universe

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



E287B7



FF85C5



E2DF87



70656B



B0005D



30001A

Previews

White Background



This preview shows how the Hex color 87B7E2 looks on a white background.

Color Contrast Check

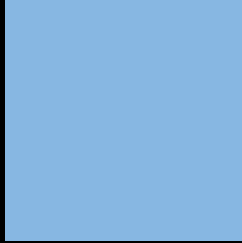
Large Text (above 18pt) WCAG AA × Fail

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 87B7E2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

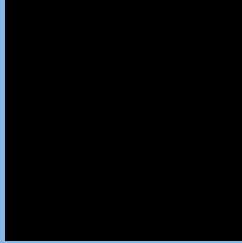
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

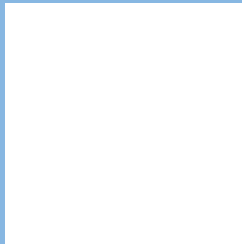
Any Text WCAG AAA ✓ Pass

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

Hex 87B7E2 Background



This preview shows how black text looks on a background with the Hex color 87B7E2.

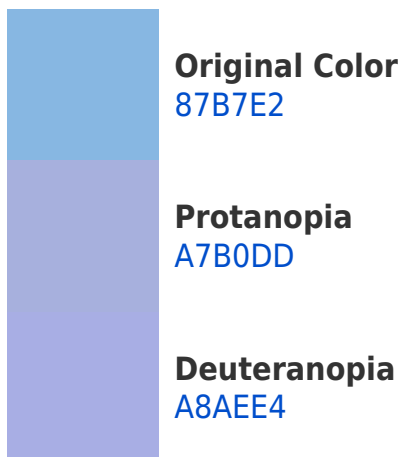


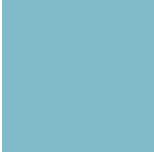
This preview shows how white text looks on a background with the Hex color 87B7E2.

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](#).

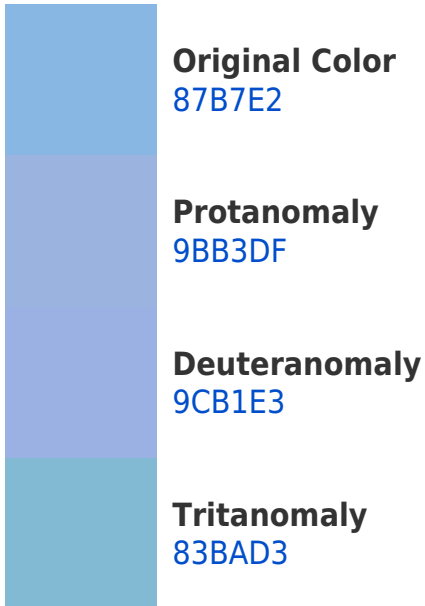
Dichromacy



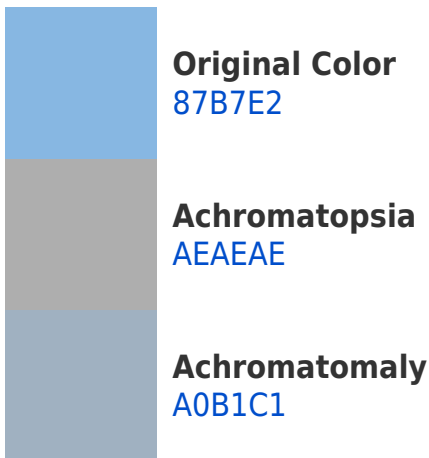


Tritanopia
81BBCA

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87B7E2 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 #87B7E2 looks like.

```
.text, #text, p{  
    color:#87B7E2  
}
```

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 #87B7E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87B7E2
}
```

Border

The CSS property to change the border of an element to Hex 87B7E2 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
#87B7E2 }
```

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

```
.border{ border-color:#87B7E2 }
```

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

Here you see how a box with a 4 pixel #87B7E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87B7E2; -webkit-box-shadow:4px 4px  
4px 4px #87B7E2; box-shadow:4px 4px 4px  
4px #87B7E2 }
```

Background

The CSS property to change the background color of an element to Hex 87B7E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87B7E2 }
```

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

```
.background{ background-color:#87B7E2 }
```

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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