

Converting Colors

Hex(87B6DC)

Have a look what the booklet for
Hex(87B6DC) contains.

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Color

Hex(87B6DC)

Conversions

Conversions Part 1

Format	Color
Hex	87B6DC
RGB	135, 182, 220
RGB Percent	53%, 71%, 86%
CMY	0.4706, 0.2863, 0.1373
CMYK	0.39, 0.17, 0.00, 0.14
HSL	207°, 55%, 70%
HSV	207°, 39%, 86%
XYZ	39.6379, 43.7741, 74.0703
YIQ	172.2790, -40.2100, 1.8540

Conversions

Conversions Part 2

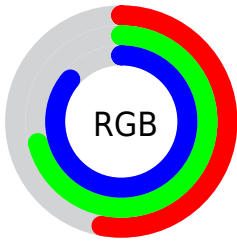
Format	Color
R _Y B	135, 165, 220
Decimal	8894172
CIE Lab	72.08, -6.08, -24.04
CIE LCh	72, 24.797, 255.800
Yxy	43.7741, 0.2517, 0.2780
Android (android.graphics.Color)	4287084252 (0xFF87B6DC)
YUV	172.2790, 23.5265, -32.6937
Hunter-Lab	66.1620, -8.8435, -20.0635

Details

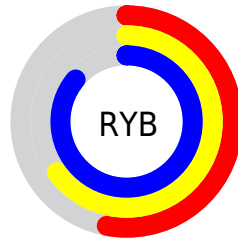
The Hex color **87B6DC** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **DCAD87**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **BFEEFF**, and **5181A5** is the 20% darker color. If you saturate the color by 10%, you get **71ACDC**, and if you desaturate by 10%, it is **9DC0DC**.

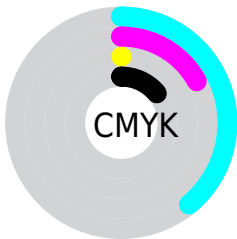
Distribution



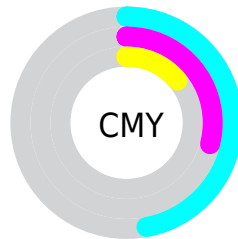
- Red (53%)
- Green (71%)
- Blue (86%)



- Red (53%)
- Yellow (65%)
- Blue (86%)



- Cyan (39%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (47%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87B6DC 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 87B6DC by changing the saturation by 10% instead.

87B6DC

87B6DC

FFFFFF

6C9BC0

BFEFFF

5181A5

DBFFFF

35688A

F9FFFF

165071

003958

002441

000F2B

000115

000000

87B6DC

87B6DC

71ACDC

9DC0DC

5BA2DC

B3CADC

4598DC

C9D4DC

2F8FDC

DFDDDC

1985DC

F5E7DC

037BDC

FFF1DC

007ADC

FFFBDC

FFFFDC

Harmonies

Analogous

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



72BBD0



87B6DC



A6AFDC

Triad

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



87B6DC



DFA1A5



9BB991

Complementary

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



87B6DC



DCAD87

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.



B5B385



87B6DC



DAA591

Square

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



87B6DC



D7A1BC



CBAC85



82BDA5

Rectangle

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



87B6DC



BAA9D5



CBAC85



A4B78C

Sweetspot

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



87B6DC



E0F1FF



87DCAC



6E7880



000000



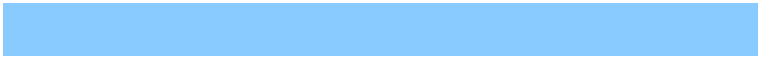
808080

Same Dimension

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



87B6DC



8ACBFF



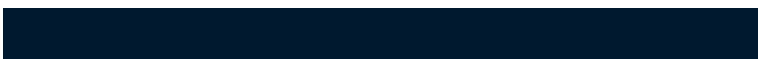
878DDC



63696E



0060AD



00192E

Inverse Universe

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



DC87B6



FF8ACB



DCD687



6E6369



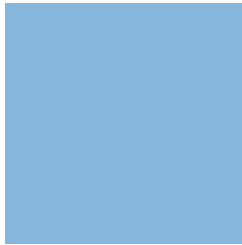
AD0060



2E0019

Previews

White Background



This preview shows how the Hex color 87B6DC looks on a white background.

Color Contrast Check

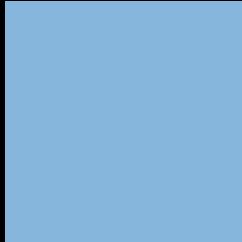
Large Text (above 18pt) WCAG AA × Fail

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 87B6DC 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 87B6DC Background



This preview shows how black text looks on a background with the Hex color 87B6DC.

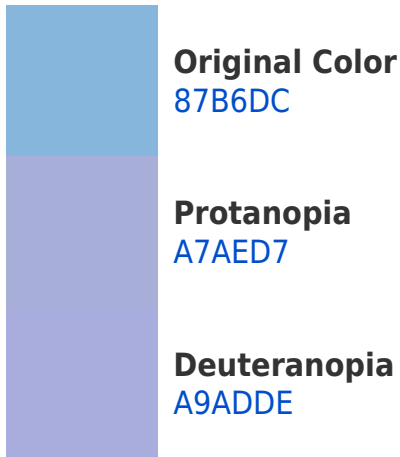


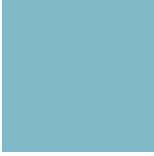
This preview shows how white text looks on a background with the Hex color 87B6DC.

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](#).

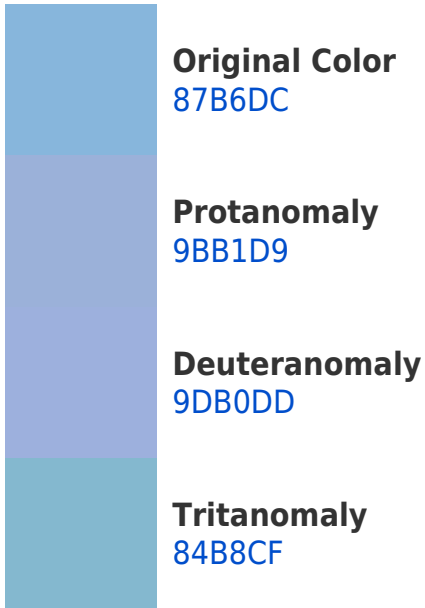
Dichromacy



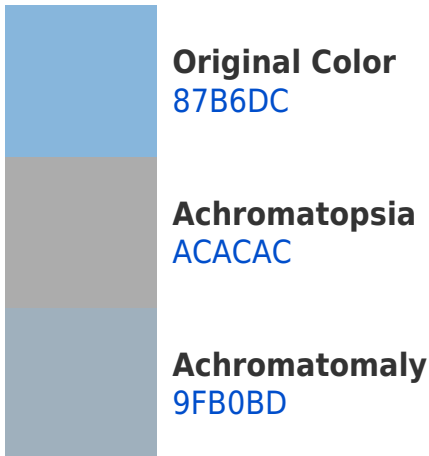


Tritanopia
82B9C8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87B6DC 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 #87B6DC looks like.

```
.text, #text, p{  
    color:#87B6DC  
}
```

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 #87B6DC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87B6DC  
}
```

Border

The CSS property to change the border of an element to Hex 87B6DC 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  
#87B6DC }
```

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

```
.border{ border-color:#87B6DC }
```

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

Here you see how a box with a 4 pixel #87B6DC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87B6DC; -webkit-box-shadow:4px 4px  
4px 4px #87B6DC; box-shadow:4px 4px 4px  
4px #87B6DC }
```

Background

The CSS property to change the background color of an element to Hex 87B6DC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87B6DC }
```

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

```
.background{ background-color:#87B6DC }
```

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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