

# Converting Colors

Hex(86BDD8)

Have a look what the booklet for  
Hex(86BDD8) contains.

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# **Color**

**Hex(86BDD8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86BDD8
RGB	134, 189, 216
RGB Percent	53%, 74%, 85%
CMY	0.4745, 0.2588, 0.1529
CMYK	0.38, 0.12, 0.00, 0.15
HSL	200°, 51%, 69%
HSV	200°, 38%, 85%
XYZ	40.4238, 46.4214, 71.7954
YIQ	175.6330, -41.4470, -3.2630

# Conversions

## Conversions Part 2

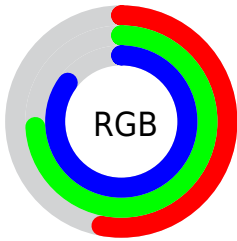
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 167, 216
Decimal	8830424
CIELab	73.82, -11.13, -19.22
CIELCh	74, 22.211, 239.914
Yxy	46.4214, 0.2548, 0.2926
Android (android.graphics.Color)	4287020504 (0xFF86BDD8)
YUV	175.6330, 19.9009, -36.5121
Hunter-Lab	68.1332, -13.3283, -14.7836

# Details

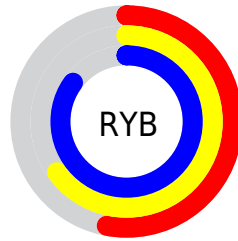
The Hex color **86BDD8** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **D8A186**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **BEF5FF**, and **5088A1** is the 20% darker color. If you saturate the color by 10%, you get **70B6D8**, and if you desaturate by 10%, it is **9CC4D8**.

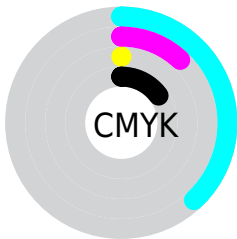
# Distribution



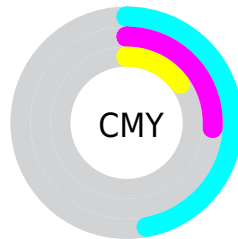
- Red (53%)
- Green (74%)
- Blue (85%)



- Red (53%)
- Yellow (65%)
- Blue (85%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (47%)
- Magenta (26%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 86BDD8 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 86BDD8 by changing the saturation by 10% instead.



 86BDD8

 86BDD8

FFFFFF

 6BA2BC

 BEF5FF

 5088A1

 DAFFFF

 346E87

 F8FFFF

 15566E

 003F55

 00293E

 001528

 000113

 000000

86BDD8

86BDD8

70B6D8

9CC4D8

5BAFD8

B1CBD8

45A8D8

C7D2D8

30A1D8

DCD9D8

1A99D8

F2E1D8

0492D8

FFE8D8

0091D8

FFEFD8

FFF6D8

FFFDD8

# Harmonies

## Analogous

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



7CC0C9



86BDD8



9DB7DE

# Triad

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



86BDD8



DDA7B6



AFBA92

# Complementary

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



86BDD8



D8A186

# 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.



C5B48D



86BDD8



DFA8A2

# Square

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



86BDD8



D0AACA



D6AD93



98BFA0

# Rectangle

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



86BDD8



B0B3DC



D6AD93



B7B88F



# Sweetspot

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



86BDD8



E3F6FF



86D8A0



6F7A80



000000



808080

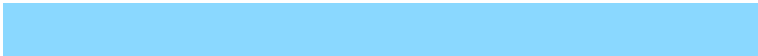


# Same Dimension

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



86BDD8



8AD8FF



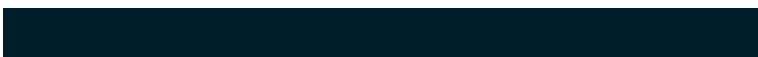
8695D8



60686B



0073AB



001D2B



# Inverse Universe

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



D886BD



FF8AD8



D8C986



6B6068



AB0073

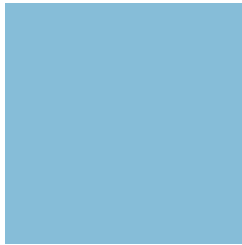


2B001D



# Previews

## White Background



This preview shows how the Hex color 86BDD8 looks on a white background.

## Color Contrast Check

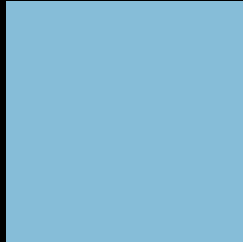
Large Text (above 18pt) WCAG AA × Fail

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 86BDD8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

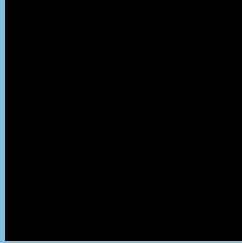
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 86BDD8 Background



This preview shows how black text looks on a background with the Hex color 86BDD8.

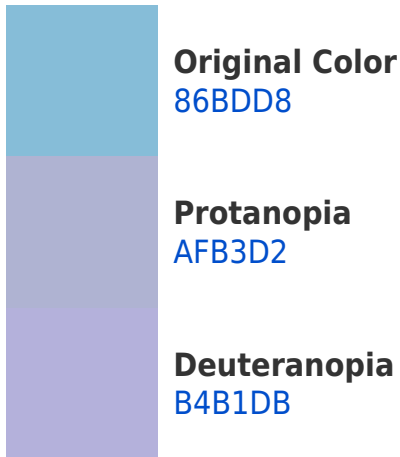


This preview shows how white text looks on a background with the Hex color 86BDD8.

# 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](#).

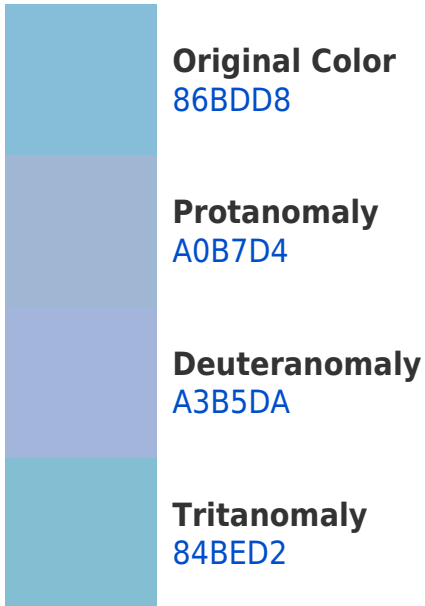
## Dichromacy



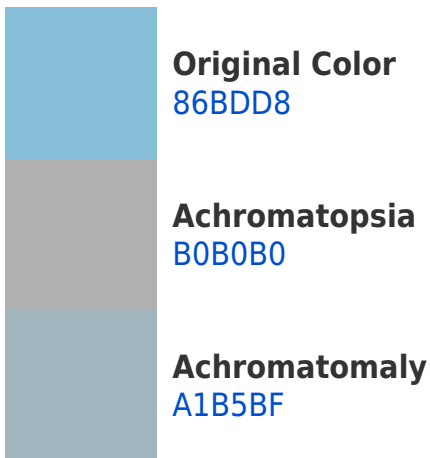


**Tritanopia**  
83BFCE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 86BDD8 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 #86BDD8 looks like.

```
.text, #text, p{  
    color:#86BDD8  
}
```

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 #86BDD8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #86BDD8  
}
```

## Border

The CSS property to change the border of an element to Hex 86BDD8 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  
#86BDD8 }
```

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

```
.border{ border-color:#86BDD8 }
```

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

Here you see how a box with a 4 pixel #86BDD8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #86BDD8; -webkit-box-shadow:4px 4px  
4px 4px #86BDD8; box-shadow:4px 4px 4px  
4px #86BDD8 }
```

# Background

The CSS property to change the background color of an element to Hex 86BDD8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#86BDD8 }
```

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

```
.background{ background-color:#86BDD8 }
```

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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