

# Converting Colors

Hex(80A4DD)

Have a look what the booklet for  
Hex(80A4DD) contains.

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# **Color**

**Hex(80A4DD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80A4DD
RGB	128, 164, 221
RGB Percent	50%, 64%, 87%
CMY	0.4980, 0.3569, 0.1333
CMYK	0.42, 0.26, 0.00, 0.13
HSL	217°, 58%, 68%
HSV	217°, 42%, 87%
XYZ	35.2287, 36.3606, 73.5682
YIQ	159.7340, -39.7530, 10.0950

# Conversions

## Conversions Part 2

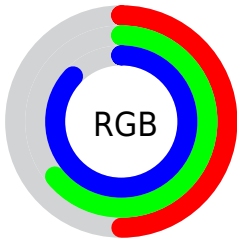
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 154, 221
Decimal	8430813
CIELab	66.79, 2.29, -32.75
CIELCh	67, 32.829, 273.997
Yxy	36.3606, 0.2427, 0.2505
Android (android.graphics.Color)	4286620893 (0xFF80A4DD)
YUV	159.7340, 30.2041, -27.8307
Hunter-Lab	60.2997, -1.2401, -30.1264

# Details

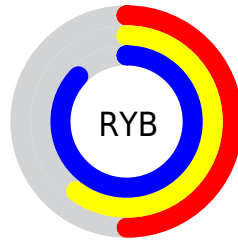
The Hex color **80A4DD** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **DDB980**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **B8DBFF**, and **4971A6** is the 20% darker color. If you saturate the color by 10%, you get **6A96DD**, and if you desaturate by 10%, it is **96B2DD**.

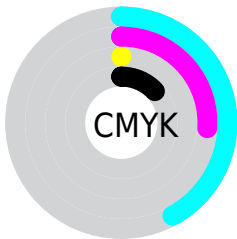
# Distribution



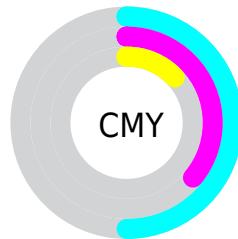
- Red (50%)
- Green (64%)
- Blue (87%)



- Red (50%)
- Yellow (60%)
- Blue (87%)



- Cyan (42%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (36%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80A4DD 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 80A4DD by changing the saturation by 10% instead.



■ 80A4DD

■ 80A4DD

FFFFFF

■ 658AC1

■ B8DBFF

■ 4971A6

■ D5F7FF

■ 2C588B

■ F2FFFF

■ 044171

■ 002B59

■ 001741

■ 00032B

■ 000115

■ 000000

80A4DD

80A4DD

6A96DD

96B2DD

5489DD

ACBFDD

3E7BDD

C2CDDD

286EDD

D8DADD

1160DD

EFE8DD

0056DD

FFF5DD

FFFFDD

# Harmonies

## Analogous

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



52ACD7



80A4DD



AB99D3

# Triad

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



80A4DD



DB8F83



70B088

# Complementary

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



80A4DD



DDB980

# 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.



93AB71



80A4DD



CC986E

# Square

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



80A4DD



DB8CA0



B3A267



4CB3A6

# Rectangle

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



80A4DD



C293C6



B3A267



7CAF7F

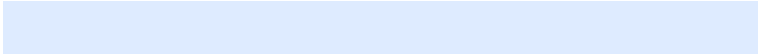


# Sweetspot

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



80A4DD



DEEBFF



80DDB8



6B7380



000000



808080



# Same Dimension

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



80A4DD



80B1FF



8980DD



63676E



0043AD



00122E



# Inverse Universe

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



DD80A4



FF80B1



D4DD80



6E6367



AD0043

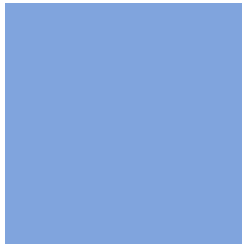


2E0012



# Previews

## White Background



This preview shows how the Hex color 80A4DD looks on a white background.

## Color Contrast Check

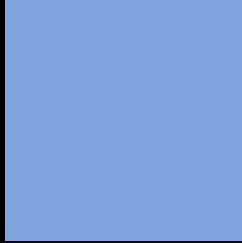
Large Text (above 18pt) WCAG AA × Fail

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 80A4DD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

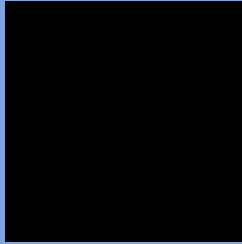
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

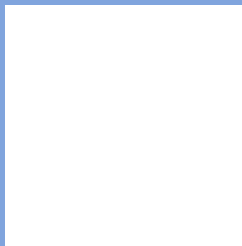
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80A4DD Background



This preview shows how black text looks on a background with the Hex color 80A4DD.

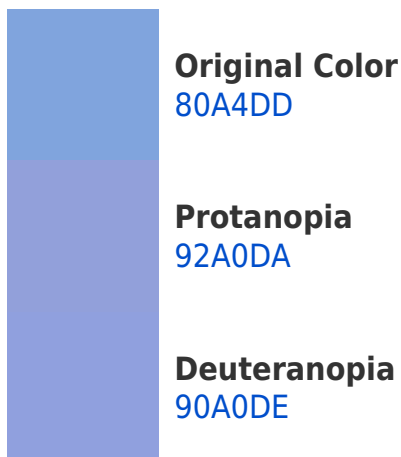


This preview shows how white text looks on a background with the Hex color 80A4DD.

# 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](#).

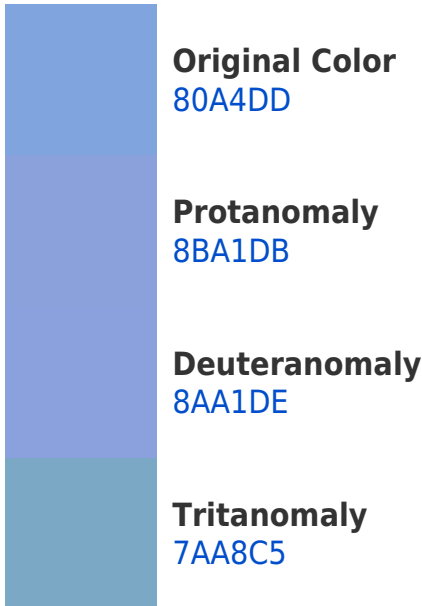
## Dichromacy



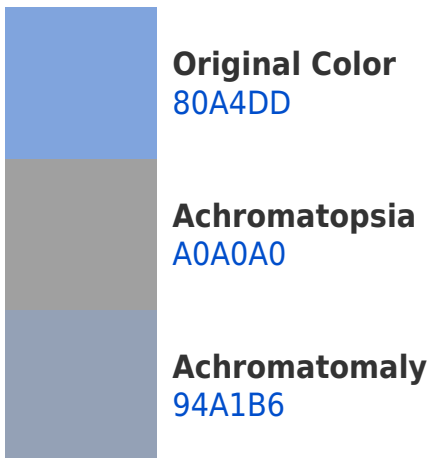


**Tritanopia**  
76ABB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80A4DD 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 #80A4DD looks like.

```
.text, #text, p{  
    color:#80A4DD  
}
```

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 #80A4DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80A4DD
}
```

## Border

The CSS property to change the border of an element to Hex 80A4DD 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
#80A4DD }
```

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

```
.border{ border-color:#80A4DD }
```

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

Here you see how a box with a 4 pixel #80A4DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80A4DD; -webkit-box-shadow:4px 4px  
4px 4px #80A4DD; box-shadow:4px 4px 4px  
4px #80A4DD }
```

# Background

The CSS property to change the background color of an element to Hex 80A4DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80A4DD }
```

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

```
.background{ background-color:#80A4DD }
```

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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