

# Converting Colors

Hex(81A5CD)

Have a look what the booklet for  
Hex(81A5CD) contains.

<b>Hex(81A5CD)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(81A5CD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81A5CD
RGB	129, 165, 205
RGB Percent	51%, 65%, 80%
CMY	0.4941, 0.3529, 0.1961
CMYK	0.37, 0.20, 0.00, 0.20
HSL	212°, 43%, 65%
HSV	212°, 37%, 80%
XYZ	33.5278, 35.9852, 62.9363
YIQ	158.7960, -34.2960, 4.8080

# Conversions

## Conversions Part 2

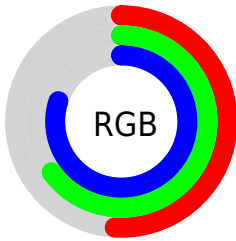
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	129, 153, 205
Decimal	8496589
CIE <sub>Lab</sub>	66.51, -2.36, -24.34
CIE <sub>LCh</sub>	67, 24.458, 264.474
Yxy	35.9852, 0.2531, 0.2717
Android (android.graphics.Color)	4286686669 (0xFF81A5CD)
YUV	158.7960, 22.7786, -26.1311
Hunter-Lab	59.9876, -5.2125, -20.2130

# Details

The Hex color **81A5CD** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **CDA981**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **B8DCFF**, and **4C7197** is the 20% darker color. If you saturate the color by 10%, you get **6D9ACD**, and if you desaturate by 10%, it is **96B0CD**.

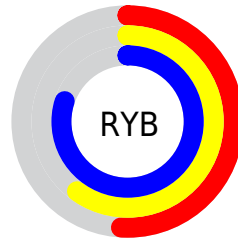
# Distribution



Red (51%)

Green (65%)

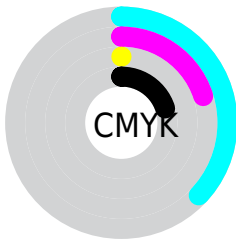
Blue (80%)



Red (51%)

Yellow (60%)

Blue (80%)

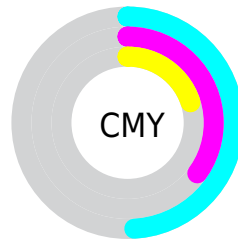


Cyan (37%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (49%)

Magenta (35%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81A5CD 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 81A5CD by changing the saturation by 10% instead.



■ 81A5CD

■ 81A5CD

FFFFFF

■ 668BB1

■ B8DCFF

■ 4C7197

■ D4F8FF

■ 32597D

■ F1FFFF

■ 144264

■ 002C4C

■ 001835

■ 00021F

■ 000003

■ 000000

81A5CD

81A5CD

6D9ACD

96B0CD

588FCD

AABBCD

4485CD

BFC5CD

2F7ACD

D3D0CD

1B6FCD

E8DBCD

0664CD

FCE6CD

0061CD

FFF1CD

FFFBCD

FFFFCD

# Harmonies

## Analogous

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



68ABC5



81A5CD



A09ECA

# Triad

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



81A5CD



CE9391



86AB88

# Complementary

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



81A5CD



CDA981

# 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.



9FA679



81A5CD



C7987F

# Square

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



81A5CD



CA92A7



B69F76



6EAE9D

# Rectangle

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



81A5CD



B299C1



B69F76



8EAA82



# Sweetspot

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



81A5CD



E3F0FF



81CDA8



6F7780



000000



808080

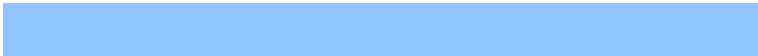


# Same Dimension

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



81A5CD



8FC4FF



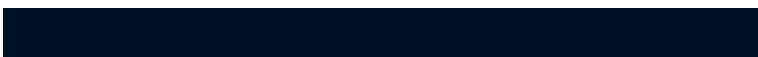
8281CD



5C6166



004FA6



001226



# Inverse Universe

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



CD81A5



FF8FC4



CCCD81



665C61



A6004F

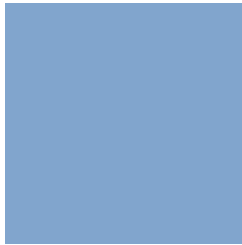


260012



# Previews

## White Background



This preview shows how the Hex color 81A5CD looks on a white background.

## Color Contrast Check

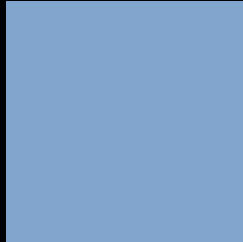
Large Text (above 18pt) WCAG AA × Fail

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 81A5CD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

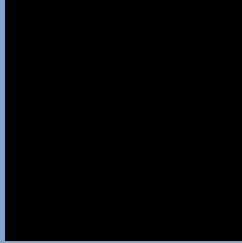
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

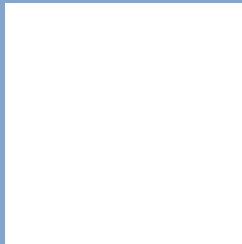
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81A5CD Background



This preview shows how black text looks on a background with the Hex color 81A5CD.

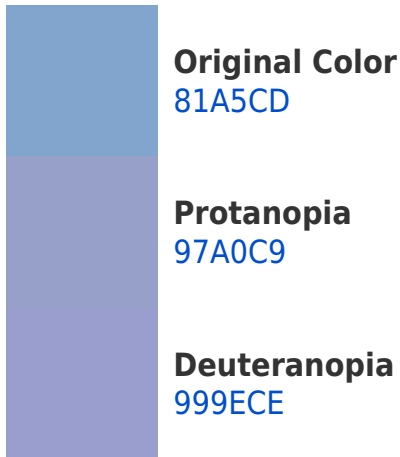


This preview shows how white text looks on a background with the Hex color 81A5CD.

# 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](#).

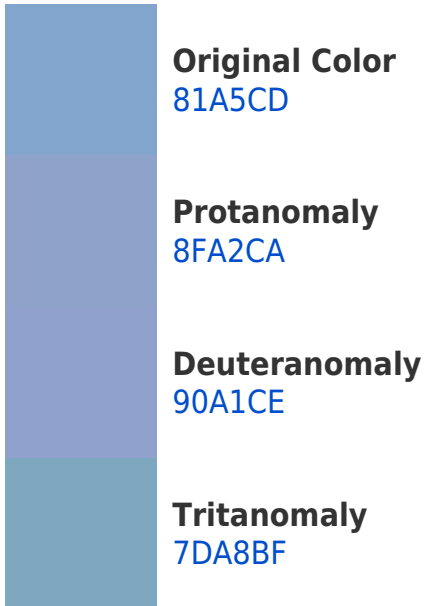
## Dichromacy



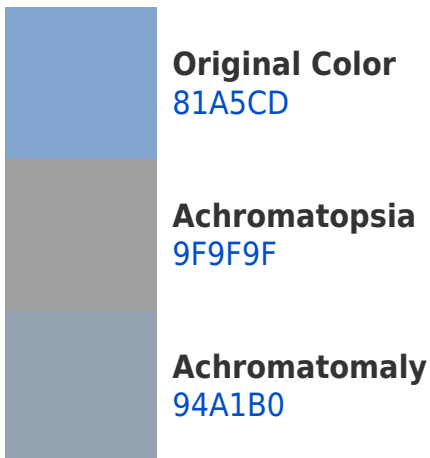


**Tritanopia**  
7BA9B7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81A5CD 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 #81A5CD looks like.

```
.text, #text, p{  
    color:#81A5CD  
}
```

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 #81A5CD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81A5CD
}
```

## Border

The CSS property to change the border of an element to Hex 81A5CD 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
#81A5CD }
```

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

```
.border{ border-color:#81A5CD }
```

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

Here you see how a box with a 4 pixel #81A5CD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81A5CD; -webkit-box-shadow:4px 4px  
4px 4px #81A5CD; box-shadow:4px 4px 4px  
4px #81A5CD }
```

# Background

The CSS property to change the background color of an element to Hex 81A5CD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81A5CD }
```

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

```
.background{ background-color:#81A5CD }
```

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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