

# Converting Colors

Hex(7A80AD)

Have a look what the booklet for  
Hex(7A80AD) contains.

<b>Hex(7A80AD)</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(7A80AD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7A80AD
RGB	122, 128, 173
RGB Percent	48%, 50%, 68%
CMY	0.5216, 0.4980, 0.3216
CMYK	0.29, 0.26, 0.00, 0.32
HSL	233°, 24%, 58%
HSV	233°, 29%, 68%
XYZ	23.2880, 22.5930, 42.6686
YIQ	131.3360, -18.0210, 12.7230

# Conversions

## Conversions Part 2

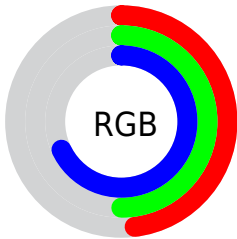
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 127, 173
Decimal	8028333
CIE <sub>Lab</sub>	54.65, 8.34, -24.55
CIE <sub>LCh</sub>	55, 25.925, 288.776
Yxy	22.5930, 0.2630, 0.2551
Android (android.graphics.Color)	4286218413 (0xFF7A80AD)
YUV	131.3360, 20.5404, -8.1877
Hunter-Lab	47.5321, 4.2736, -19.9509

# Details

The Hex color **7A80AD** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **ADA77A**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **AFB5E5**, and **484F78** is the 20% darker color. If you saturate the color by 10%, you get **6971AD**, and if you desaturate by 10%, it is **8B8FAD**.

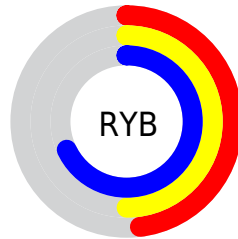
# Distribution



Red (48%)

Green (50%)

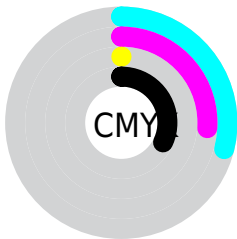
Blue (68%)



Red (48%)

Yellow (50%)

Blue (68%)

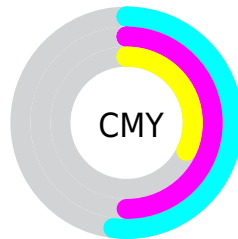


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (32%)



Cyan (52%)

Magenta (50%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A80AD 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 7A80AD by changing the saturation by 10% instead.



■ 7A80AD

■ 7A80AD

FFFFFF

■ 606792

■ AFB5E5

■ 484F78

■ CBD0FF

■ 2F3860

■ E8ECFF

■ 172348

■ 000D31

■ 00011C

■ 000000

■ 7A80AD

■ 7A80AD

■ 6971AD

■ 8B8FAD

■ 5761AD

■ 9D9FAD

■ 4652AD

■ AEAEAD

■ 3543AD

■ BFBADAD

■ 2434AD

■ D1CCAD

■ 1224AD

■ E2DCAD

■ 0115AD

■ F3EBAD

■ 0014AD

■ FFFAAD

■ FFFFAD

# Harmonies

## Analogous

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



5887AE



7A80AD



9778A0

# Triad

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



7A80AD



AA7762



508F79

# Complementary

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



7A80AD



ADA77A

# 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.



6A8B65



7A80AD



9A7E57

# Square

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



7A80AD



B07275



848658



3B8F90

# Rectangle

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



7A80AD



A57493



848658



598E72



# Sweetspot

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



7A80AD



CCCFE0



7AADA6



646570



F0F0F0



707070



# Same Dimension

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



7A80AD



929BE0



8D7AAD



4E4F57



001296



000317



# Inverse Universe

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



AD7A80



E0929B



9AAD7A



574E4F



960012

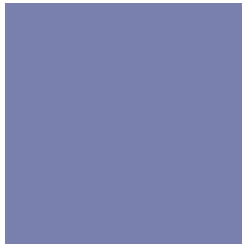


170003



# Previews

## White Background



This preview shows how the Hex color 7A80AD looks on a white background.

## Color Contrast Check

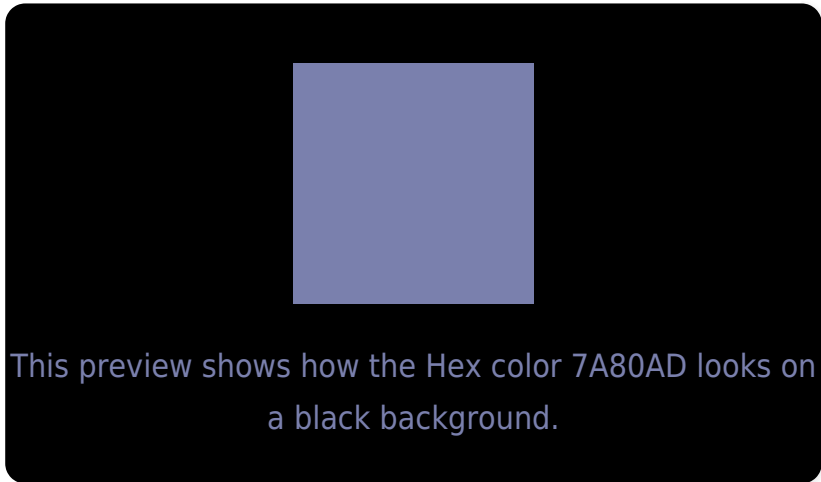
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

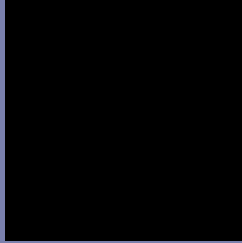
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7A80AD Background



This preview shows how black text looks on a background with the Hex color 7A80AD.



This preview shows how white text looks on a background with the Hex color 7A80AD.

# 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



**Original Color**

7A80AD

**Protanopia**

7681AE

**Deuteranopia**

7881AD



**Tritanopia**  
748590

# Trichromacy



**Original Color**  
7A80AD

**Protanomaly**  
7781AE

**Deuteranomaly**  
7981AD

**Tritanomaly**  
76839B

# Monochromacy



**Original Color**  
7A80AD

**Achromatopsia**  
838383

**Achromatomaly**  
808292

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A80AD 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 #7A80AD looks like.

```
.text, #text, p{  
    color:#7A80AD  
}
```

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 #7A80AD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A80AD
}
```

## Border

The CSS property to change the border of an element to Hex 7A80AD 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
#7A80AD }
```

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

```
.border{ border-color:#7A80AD }
```

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

Here you see how a box with a 4 pixel #7A80AD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A80AD; -webkit-box-shadow:4px 4px  
4px 4px #7A80AD; box-shadow:4px 4px 4px  
4px #7A80AD }
```

# Background

The CSS property to change the background color of an element to Hex 7A80AD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A80AD }
```

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

```
.background{ background-color:#7A80AD }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor