

# Converting Colors

Hex(7B8DAB)

Have a look what the booklet for  
Hex(7B8DAB) contains.

<b>Hex(7B8DAB)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(7B8DAB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B8DAB
RGB	123, 141, 171
RGB Percent	48%, 55%, 67%
CMY	0.5176, 0.4471, 0.3294
CMYK	0.28, 0.18, 0.00, 0.33
HSL	217°, 22%, 58%
HSV	217°, 28%, 67%
XYZ	25.0439, 26.2010, 42.2654
YIQ	139.0380, -20.3580, 5.5140

# Conversions

## Conversions Part 2

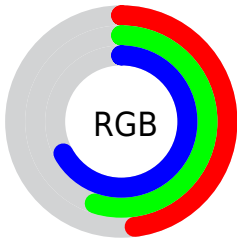
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 136, 171
Decimal	8097195
CIELab	58.23, 0.60, -17.92
CIELCh	58, 17.926, 271.923
Yxy	26.2010, 0.2678, 0.2802
Android (android.graphics.Color)	4286287275 (0xFF7B8DAB)
YUV	139.0380, 15.7573, -14.0653
Hunter-Lab	51.1869, -2.2433, -13.1254

# Details

The Hex color **7B8DAB** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **AB997B**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **B0C3E2**, and **495B77** is the 20% darker color. If you saturate the color by 10%, you get **6A82AB**, and if you desaturate by 10%, it is **8C98AB**.

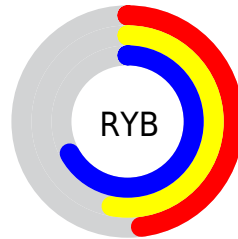
# Distribution



Red (48%)

Green (55%)

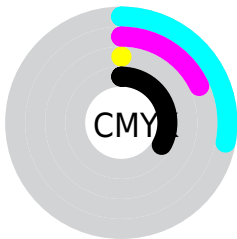
Blue (67%)



Red (48%)

Yellow (53%)

Blue (67%)

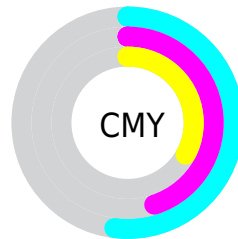


Cyan (28%)

Magenta (18%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (45%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B8DAB 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 7B8DAB by changing the saturation by 10% instead.



■ 7B8DAB

■ 7B8DAB

FFFFFF

■ 617490

■ B0C3E2

■ 495B77

■ CCDEFF

■ 31445E

■ E9FBFF

■ 192E46

■ 001930

■ 00011B

■ 000000

■ 7B8DAB

■ 7B8DAB

■ 6A82AB

■ 8C98AB

■ 5978AB

■ 9DA2AB

■ 486DAB

■ AEADAB

■ 3762AB

■ BFB8AB

■ 2658AB

■ D0C2AB

■ 144DAB

■ E2CDAB

■ 0342AB

■ F3D8AB

■ 0040AB

■ FFE2AB

■ FFEDAB

# Harmonies

## Analogous

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



6992A7



7B8DAB



9088A7

# Triad

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



7B8DAB



AC827C



74937D

# Complementary

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



7B8DAB



AB997B

# 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.



869071



7B8DAB



A58671

# Square

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



7B8DAB



AB818B



978B6D



66958C

# Rectangle

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



7B8DAB



9C849F



978B6D



7A9378

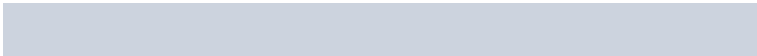


# Sweetspot

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



7B8DAB



CCD3DE



7BAB99



656970



F0F0F0



707070



# Same Dimension

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



7B8DAB



92AFDE



817BAB



4E5157



003896



000917



# Inverse Universe

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



AB7B8D



DE92AF



A5AB7B



574E51



960038

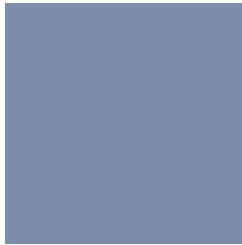


170009



# Previews

## White Background



This preview shows how the Hex color 7B8DAB looks on a white background.

## Color Contrast Check

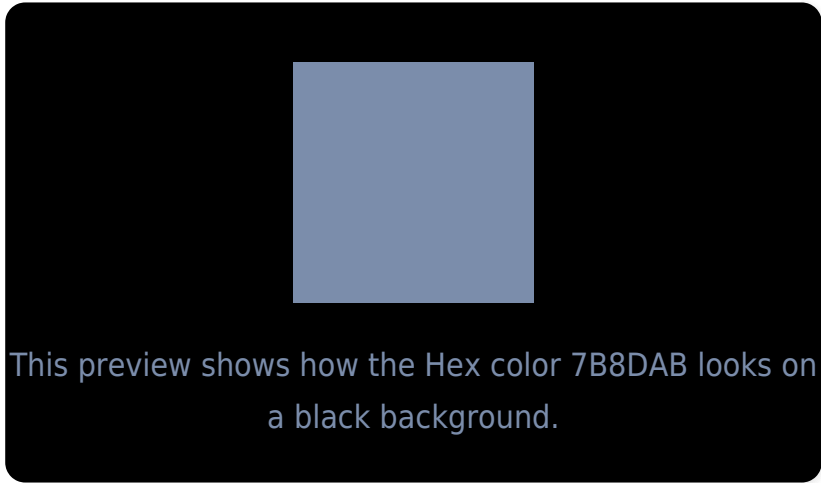
Large Text (above 18pt) WCAG AA ✓ Pass

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

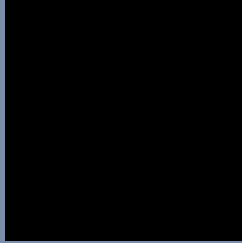
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

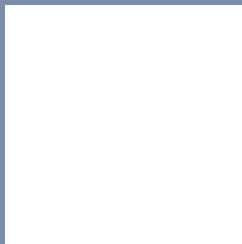
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7B8DAB Background



This preview shows how black text looks on a background with the Hex color 7B8DAB.



This preview shows how white text looks on a background with the Hex color 7B8DAB.

# 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**  
7B8DAB

**Protanopia**  
858AA9

**Deuteranopia**  
8989AC



**Tritanopia**  
78909B

# Trichromacy



**Original Color**  
7B8DAB

**Protanomaly**  
818BAA

**Deuteranomaly**  
848AAC

**Tritanomaly**  
798FA1

# Monochromacy



**Original Color**  
7B8DAB

**Achromatopsia**  
8B8B8B

**Achromatomaly**  
858C97

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B8DAB 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 #7B8DAB looks like.

```
.text, #text, p{  
    color:#7B8DAB  
}
```

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 #7B8DAB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B8DAB
}
```

## Border

The CSS property to change the border of an element to Hex 7B8DAB 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
#7B8DAB }
```

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

```
.border{ border-color:#7B8DAB }
```

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

Here you see how a box with a 4 pixel #7B8DAB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B8DAB; -webkit-box-shadow:4px 4px  
4px 4px #7B8DAB; box-shadow:4px 4px 4px  
4px #7B8DAB }
```

# Background

The CSS property to change the background color of an element to Hex 7B8DAB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B8DAB }
```

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

```
.background{ background-color:#7B8DAB }
```

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