

# Converting Colors

Hex(7B7DAA)

Have a look what the booklet for  
Hex(7B7DAA) contains.

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# Color

**Hex(7B7DAA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B7DAA
RGB	123, 125, 170
RGB Percent	48%, 49%, 67%
CMY	0.5176, 0.5098, 0.3333
CMYK	0.28, 0.26, 0.00, 0.33
HSL	237°, 22%, 57%
HSV	237°, 28%, 67%
XYZ	22.7577, 21.7805, 41.0348
YIQ	129.5320, -15.6370, 13.5710

# Conversions

## Conversions Part 2

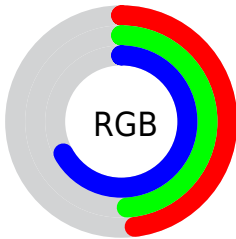
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 125, 170
Decimal	8093098
CIELab	53.79, 9.65, -24.13
CIElCh	54, 25.988, 291.789
Yxy	21.7805, 0.2659, 0.2545
Android (android.graphics.Color)	4286283178 (0xFF7B7DAA)
YUV	129.5320, 19.9507, -5.7286
Hunter-Lab	46.6695, 5.3711, -19.4628

# Details

The Hex color **7B7DAA** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **AAA87B**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **B0B2E1**, and **494C76** is the 20% darker color. If you saturate the color by 10%, you get **6A6DAA**, and if you desaturate by 10%, it is **8C8DAA**.

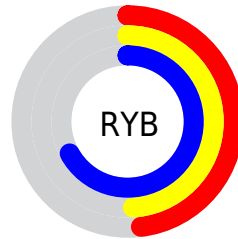
# Distribution



Red (48%)

Green (49%)

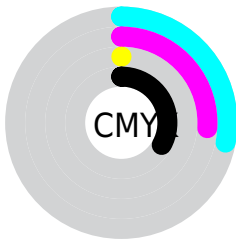
Blue (67%)



Red (48%)

Yellow (49%)

Blue (67%)

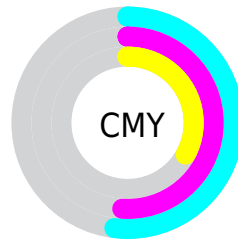


Cyan (28%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (51%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B7DAA 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 7B7DAA by changing the saturation by 10% instead.



■ 7B7DAA

■ 7B7DAA

FFFFFF

■ 61648F

■ B0B2E1

■ 494C76

■ CCCDFE

■ 31365D

■ E9E9FF

■ 192045

■ 02092F

■ 000119

■ 000000

■ 7B7DAA

■ 7B7DAA

■ 6A6DAA

■ 8C8DAA

■ 595CAA

■ 9D9EAA

■ 484CAA

■ AEAEAA

■ 373CAA

■ BFBEEA

■ 262CAA

■ D0CEAA

■ 151BAA

■ E1DFAA

■ 040BAA

■ F2EFAA

■ 0007AA

■ FFFFAA

# Harmonies

## Analogous

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



5985AC



7B7DAA



97759C

# Triad

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



7B7DAA



A6765E



4B8C79

# Complementary

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



7B7DAA



AAA87B

# 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.



668A64



7B7DAA



967D54

# Square

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



7B7DAA



AD7071



7F8456



378D90

# Rectangle

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



7B7DAA



A4718F



7F8456



548C72



# Sweetspot

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



7B7DAA



CCCDDE



7BAAA8



656570



F0F0F0



707070



# Same Dimension

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



7B7DAA



9598DE



907BAA



4C4C54



000694



000114



# Inverse Universe

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



AA7B7D



DE9598



95AA7B



544C4C



940006

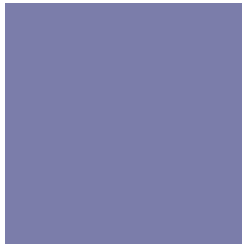


140001



# Previews

## White Background



This preview shows how the Hex color 7B7DAA looks on a white background.

## Color Contrast Check

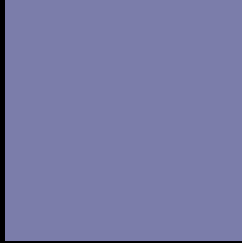
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 7B7DAA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

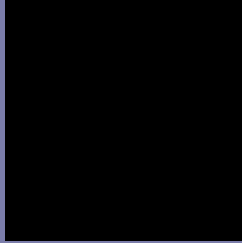
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7B7DAA Background



This preview shows how black text looks on a background with the Hex color 7B7DAA.



This preview shows how white text looks on a background with the Hex color 7B7DAA.

# 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**

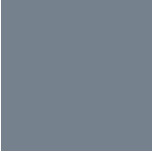
7B7DAA

**Protanopia**

747FAB

**Deuteranopia**

767EAA



**Tritanopia**  
75828D

# Trichromacy



**Original Color**  
7B7DAA

**Protanomaly**  
777EAB

**Deuteranomaly**  
787EAA

**Tritanomaly**  
778098

# Monochromacy



**Original Color**  
7B7DAA

**Achromatopsia**  
828282

**Achromatomaly**  
7F8091

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B7DAA 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 #7B7DAA looks like.

```
.text, #text, p{  
    color:#7B7DAA  
}
```

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 #7B7DAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B7DAA
}
```

## Border

The CSS property to change the border of an element to Hex 7B7DAA 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
#7B7DAA }
```

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

```
.border{ border-color:#7B7DAA }
```

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

Here you see how a box with a 4 pixel #7B7DAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B7DAA; -webkit-box-shadow:4px 4px  
4px 4px #7B7DAA; box-shadow:4px 4px 4px  
4px #7B7DAA }
```

# Background

The CSS property to change the background color of an element to Hex 7B7DAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B7DAA }
```

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

```
.background{ background-color:#7B7DAA }
```

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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