

# Converting Colors

Hex(7873AA)

Have a look what the booklet for  
Hex(7873AA) contains.

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# Color

**Hex(7873AA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7873AA
RGB	120, 115, 170
RGB Percent	47%, 45%, 67%
CMY	0.5294, 0.5490, 0.3333
CMYK	0.29, 0.32, 0.00, 0.33
HSL	245°, 24%, 56%
HSV	245°, 32%, 67%
XYZ	21.1322, 19.1568, 40.6141
YIQ	122.7650, -14.6750, 18.1650

# Conversions

## Conversions Part 2

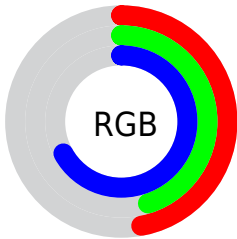
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 115, 170
Decimal	7893930
CIE <sub>Lab</sub>	50.87, 14.67, -28.68
CIE <sub>LCh</sub>	51, 32.210, 297.095
Yxy	19.1568, 0.2612, 0.2368
Android (android.graphics.Color)	4286084010 (0xFF7873AA)
YUV	122.7650, 23.2869, -2.4249
Hunter-Lab	43.7685, 9.5879, -24.3790

# Details

The Hex color **7873AA** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A5AA73**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **ADA7E2**, and **454376** is the 20% darker color. If you saturate the color by 10%, you get **6962AA**, and if you desaturate by 10%, it is **8784AA**.

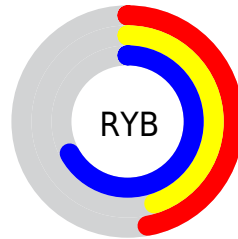
# Distribution



Red (47%)

Green (45%)

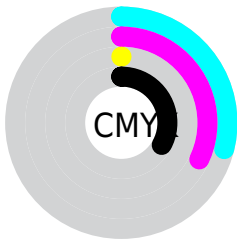
Blue (67%)



Red (47%)

Yellow (45%)

Blue (67%)

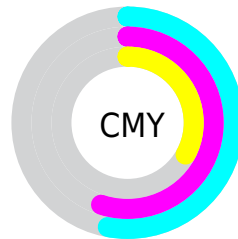


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (55%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7873AA 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 7873AA by changing the saturation by 10% instead.



■ 7873AA

■ 7873AA

FFFFFF

■ 5E5A8F

■ ADA7E2

■ 454376

■ C9C2FE

■ 2D2D5D

■ E6DEFF

■ 141845

■ FFFBFF

■ 00002E

■ 000119

■ 000000

■ 7873AA

■ 7873AA

■ 6962AA

■ 8784AA

■ 5951AA

■ 9795AA

■ 4A40AA

■ A6A6AA

■ 3A2FAA

■ B6B7AA

■ 2B1EAA

■ C5C8AA

■ 1B0DAA

■ D5D9AA

■ 0F00AA

■ E4EAAA

■ F4FBAA

■ FFFFAA

# Harmonies

## Analogous

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



4A7DB0



7873AA



996997

# Triad

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



7873AA



A26D4C



268775

# Complementary

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



7873AA



A5AA73

# 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.



50855A



7873AA



8D7742

# Square

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



7873AA



AE6562



717F47



008791

# Rectangle

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



7873AA



A76586



717F47



36876C



# Sweetspot

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



7873AA



CAC8DE



73A5AA



646370



F0F0F0



707070



# Same Dimension

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



7873AA



8F87DE



9373AA



4D4C54



0D0094



020014



# Inverse Universe

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



AA73A5



DE87D6



8AAA73



544C53



940086

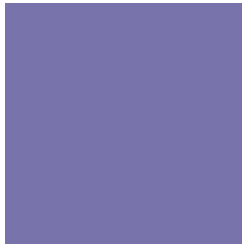


140013



# Previews

## White Background



This preview shows how the Hex color 7873AA looks on a white background.

## Color Contrast Check

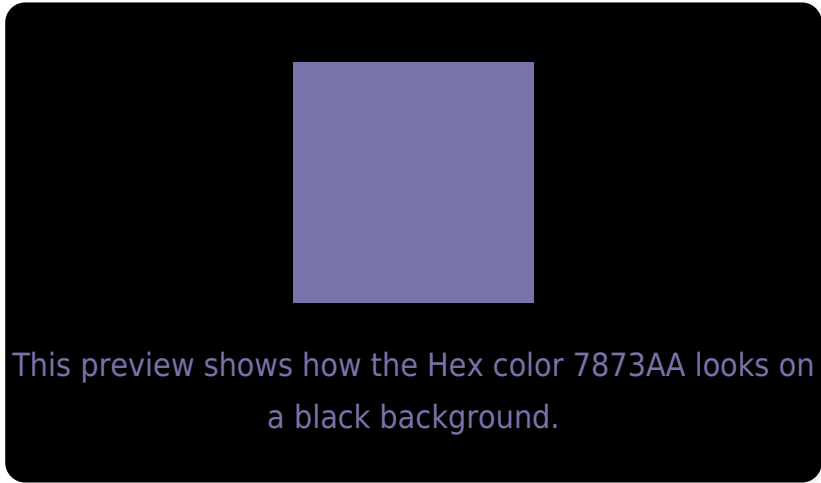
Large Text (above 18pt) WCAG AA ✓ Pass

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 7873AA Background



This preview shows how black text looks on a background with the Hex color 7873AA.

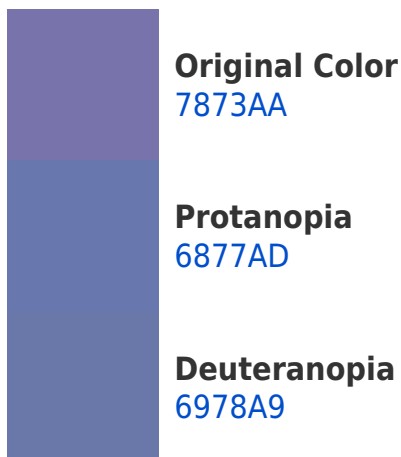


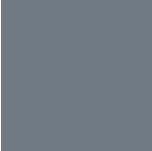
This preview shows how white text looks on a background with the Hex color 7873AA.

# 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](#).

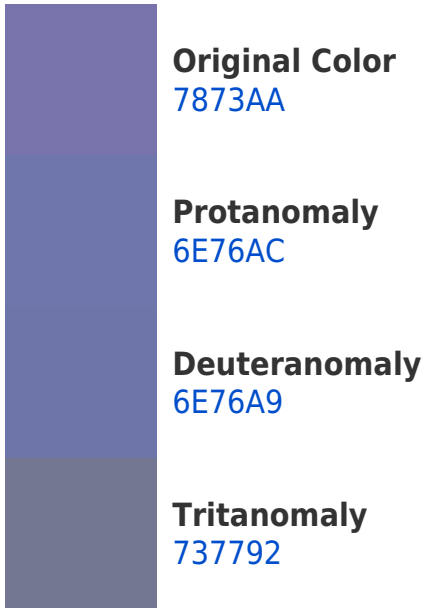
## Dichromacy



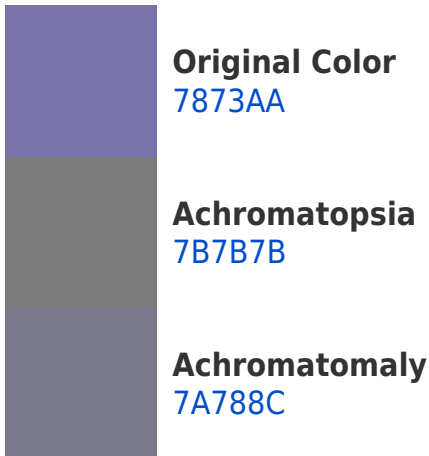


**Tritanopia**  
707A84

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7873AA 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 #7873AA looks like.

```
.text, #text, p{  
    color:#7873AA  
}
```

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 #7873AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7873AA
}
```

## Border

The CSS property to change the border of an element to Hex 7873AA 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
#7873AA }
```

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

```
.border{ border-color:#7873AA }
```

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

Here you see how a box with a 4 pixel #7873AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7873AA; -webkit-box-shadow:4px 4px  
4px 4px #7873AA; box-shadow:4px 4px 4px  
4px #7873AA }
```

# Background

The CSS property to change the background color of an element to Hex 7873AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7873AA }
```

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

```
.background{ background-color:#7873AA }
```

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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