

# Converting Colors

Hex(7776AE)

Have a look what the booklet for  
Hex(7776AE) contains.

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# Color

Hex(7776AE)

# Conversions

## Conversions Part 1

Format	Color
Hex	7776AE
RGB	119, 118, 174
RGB Percent	47%, 46%, 68%
CMY	0.5333, 0.5373, 0.3176
CMYK	0.32, 0.32, 0.00, 0.32
HSL	241°, 26%, 57%
HSV	241°, 32%, 68%
XYZ	21.7262, 19.9348, 42.7471
YIQ	124.6830, -17.3800, 17.6280

# Conversions

## Conversions Part 2

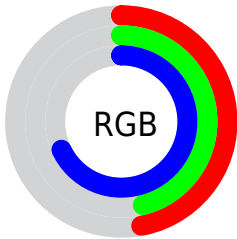
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 118, 174
Decimal	7829166
CIE <sub>Lab</sub>	51.76, 13.63, -29.61
CIE <sub>LCh</sub>	52, 32.600, 294.719
Yxy	19.9348, 0.2574, 0.2362
Android (android.graphics.Color)	4286019246 (0xFF7776AE)
YUV	124.6830, 24.3133, -4.9840
Hunter-Lab	44.6484, 8.7244, -25.5113

# Details

The Hex color `7776AE` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `ADAE76`, and the grayscale version is `7C7C7C`.

A 20% lighter version of the original color is `ADAAE6`, and `444679` is the 20% darker color. If you saturate the color by 10%, you get `6665AE`, and if you desaturate by 10%, it is `8887AE`.

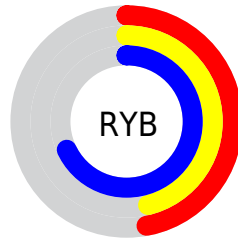
# Distribution



Red (47%)

Green (46%)

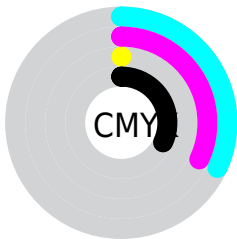
Blue (68%)



Red (47%)

Yellow (46%)

Blue (68%)

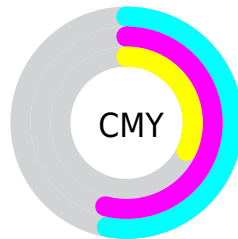


Cyan (32%)

Magenta (32%)

Yellow (0%)

Black (32%)



Cyan (53%)

Magenta (54%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7776AE 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 7776AE by changing the saturation by 10% instead.





7776AE



7776AE

FFFFFF



5D5D93



ADAAE6



444679



C8C5FF



2B3060



E5E1FF



111B48

FFFEFF



000032



00011C



000000



7776AE



7776AE



6665AE



8887AE

■ 5553AE

■ 9999AE

■ 4442AE

■ AAAAAE

■ 3330AE

■ BBBCAE

■ 221FAE

■ CCCDAE

■ 100EAE

■ DEDEAE

■ 0300AE

■ EFF0AE

■ FFFFAE

# Harmonies

## Analogous

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



4780B3



7776AE



9A6C9C

# Triad

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



7776AE



A76E4F



2B8A75

# Complementary

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



7776AE



ADAE76

# 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.



55875A



7776AE



927843

# Square

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



7776AE



B16766



768148



008A92

# Rectangle

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



7776AE



A8678B



768148



3B896C



# Sweetspot

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



7776AE



CDCCE3



76ADAE



656573



F2F2F2



737373



# Same Dimension

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



7776AE



8C8AE3



9376AE



4E4E57



030096



000017



# Inverse Universe

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



AE76AD



E38AE1



91AE76



574E57



960094

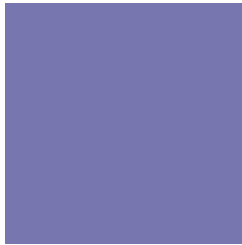


170017



# Previews

## White Background



This preview shows how the Hex color 7776AE looks on a white background.

## Color Contrast Check

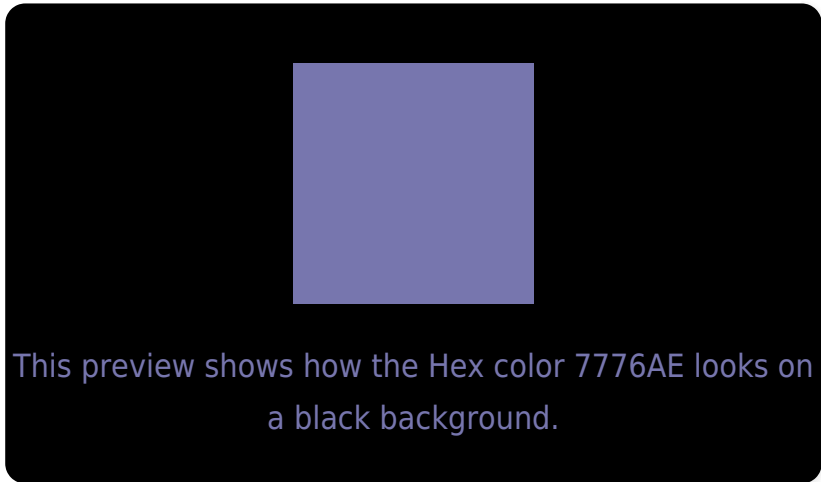
Large Text (above 18pt) WCAG AA ✓ Pass

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

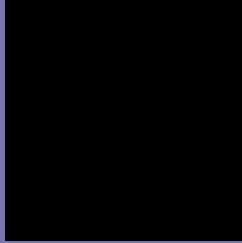
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7776AE Background



This preview shows how black text looks on a background with the Hex color 7776AE.



This preview shows how white text looks on a background with the Hex color 7776AE.

# 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**  
7776AE

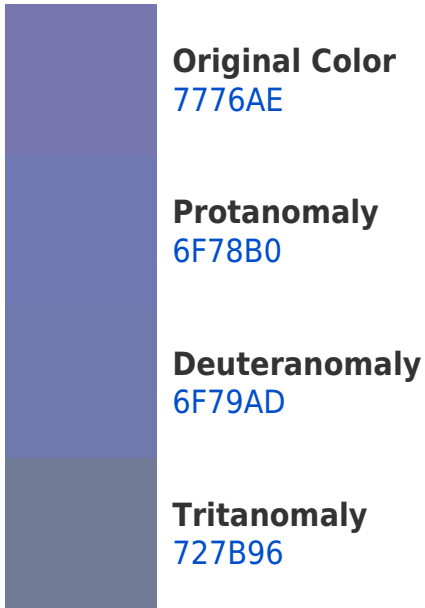
**Protanopia**  
6A79B1

**Deuteranopia**  
6A7AAD

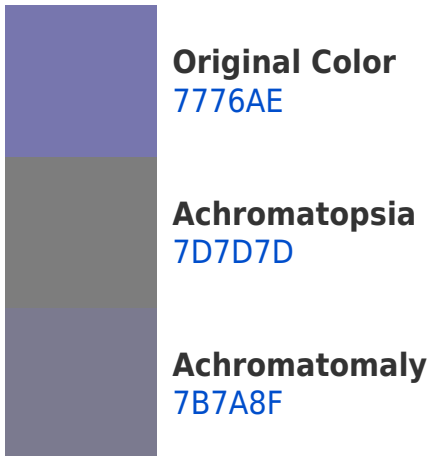


**Tritanopia**  
6F7E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7776AE 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 #7776AE looks like.

```
.text, #text, p{  
    color:#7776AE  
}
```

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 #7776AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7776AE
}
```

## Border

The CSS property to change the border of an element to Hex 7776AE 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
#7776AE }
```

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

```
.border{ border-color:#7776AE }
```

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

Here you see how a box with a 4 pixel #7776AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7776AE; -webkit-box-shadow:4px 4px  
4px 4px #7776AE; box-shadow:4px 4px 4px  
4px #7776AE }
```

# Background

The CSS property to change the background color of an element to Hex 7776AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7776AE }
```

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

```
.background{ background-color:#7776AE }
```

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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