

# Converting Colors

Hex(4E7AA0)

Have a look what the booklet for  
Hex(4E7AA0) contains.

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# Color

**Hex(4E7AA0)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4E7AA0
RGB	78, 122, 160
RGB Percent	31%, 48%, 63%
CMY	0.6941, 0.5216, 0.3725
CMYK	0.51, 0.24, 0.00, 0.37
HSL	208°, 34%, 47%
HSV	208°, 51%, 63%
XYZ	16.4466, 18.0768, 35.8801
YIQ	113.1760, -38.4220, 2.4900

# Conversions

## Conversions Part 2

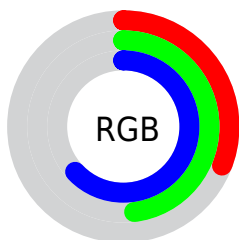
Format	Color
<a href="#">RYB</a>	<a href="#">78, 107, 160</a>
Decimal	<a href="#">5143200</a>
CIELab	<a href="#">49.59, -4.09, -25.06</a>
CIELCh	<a href="#">50, 25.389, 260.730</a>
Yxy	<a href="#">18.0768, 0.2336, 0.2568</a>
Android (android.graphics.Color)	<a href="#">4283333280</a> (0xFF4E7AA0)
YUV	<a href="#">113.1760, 23.0842, -30.8494</a>
Hunter-Lab	<a href="#">42.5169, -5.3563, -20.2731</a>

# Details

The Hex color **4E7AA0** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A0744E**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **84AED7**, and **134A6C** is the 20% darker color. If you saturate the color by 10%, you get **3E73A0**, and if you desaturate by 10%, it is **5E81A0**.

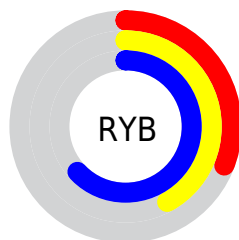
# Distribution



Red (31%)

Green (48%)

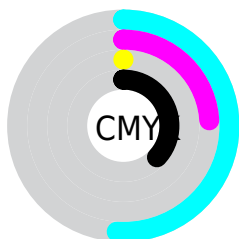
Blue (63%)



Red (31%)

Yellow (42%)

Blue (63%)

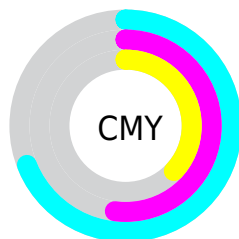


Cyan (51%)

Magenta (24%)

Yellow (0%)

Black (37%)



Cyan (69%)

Magenta (52%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E7AA0 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 4E7AA0 by changing the saturation by 10% instead.



 4E7AA0

 4E7AA0

FFFFFF

 336186

 84AED7

 134A6C

 9FCAF3

 003354

 BBE6FF

 001E3D

 D8FFFF

 000327

 F5FFFF

 000110

 000000

 4E7AA0

 4E7AA0

 3E73A0

 5E81A0

 2E6BA0

 6E89A0

 1E64A0

 7E90A0

 0E5CA0

 8E98A0

 0056A0

 9E9FA0

 AEA6A0

 BEAEA0

 CEB5A0

 DEBDA0

# Harmonies

## Analogous

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



317F97



4E7AA0



6F739E

# Triad

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



4E7AA0



A16668



5D7E5A

# Complementary

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



4E7AA0



A0744E

# 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.



75794D



4E7AA0



9A6B55

# Square

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



4E7AA0



9C667E



8B724B



43816E

# Rectangle

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



4E7AA0



836E97



8B724B



657D55



# Sweetspot

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



4E7AA0



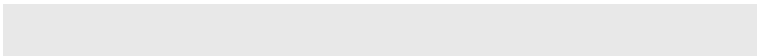
B2C3D1



4EA073



566069



E8E8E8



696969



# Same Dimension

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



4E7AA0



4F95D1



4E52A0



474B4F



004D8F



00080F



# Inverse Universe

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



A04E7A



D14F95



A09C4E



4F474B



8F004D



0F0008



# Previews

## White Background



This preview shows how the Hex color 4E7AA0 looks on a white background.

## Color Contrast Check

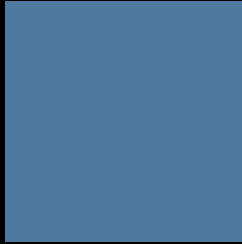
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 4E7AA0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

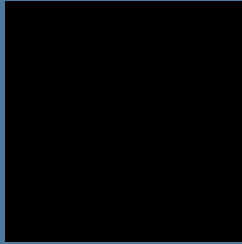
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

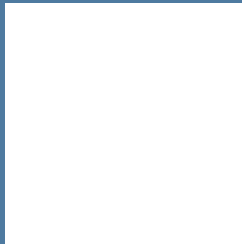
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4E7AA0 Background



This preview shows how black text looks on a background with the Hex color 4E7AA0.

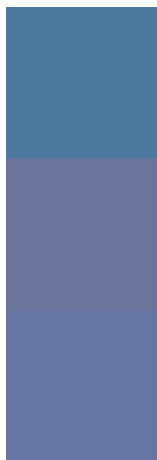


This preview shows how white text looks on a background with the Hex color 4E7AA0.

# 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](#).

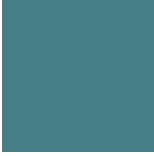
## Dichromacy



**Original Color**  
4E7AA0

**Protanopia**  
6B749B

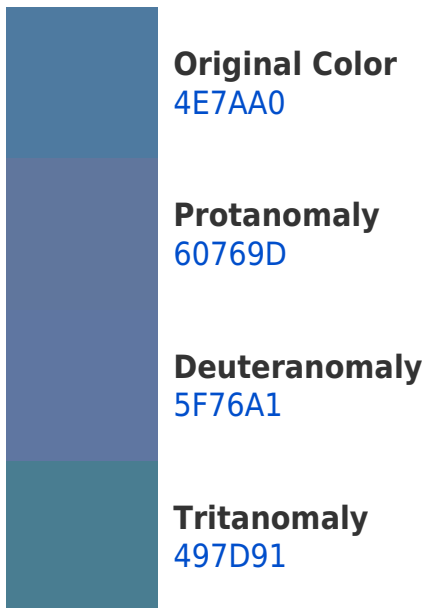
**Deuteranopia**  
6874A1



# Tritanopia

## 467E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E7AA0 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 #4E7AA0 looks like.

```
.text, #text, p{  
    color:#4E7AA0  
}
```

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 #4E7AA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E7AA0
}
```

## Border

The CSS property to change the border of an element to Hex 4E7AA0 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
#4E7AA0 }
```

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

```
.border{ border-color:#4E7AA0 }
```

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

Here you see how a box with a 4 pixel #4E7AA0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E7AA0; -webkit-box-shadow:4px 4px  
4px 4px #4E7AA0; box-shadow:4px 4px 4px  
4px #4E7AA0 }
```

# Background

The CSS property to change the background color of an element to Hex 4E7AA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E7AA0 }
```

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

```
.background{ background-color:#4E7AA0 }
```

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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