

# Converting Colors

Hex(4A7B9F)

Have a look what the booklet for  
Hex(4A7B9F) contains.

<b>Hex(4A7B9F)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(4A7B9F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A7B9F
RGB	74, 123, 159
RGB Percent	29%, 48%, 62%
CMY	0.7098, 0.5176, 0.3765
CMYK	0.53, 0.23, 0.00, 0.38
HSL	205°, 36%, 46%
HSV	205°, 53%, 62%
XYZ	16.1650, 18.1250, 35.4474
YIQ	112.4530, -40.7600, 0.8080

# Conversions

## Conversions Part 2

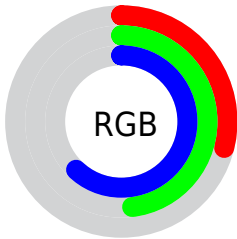
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 105, 159
Decimal	4881311
CIE <sub>Lab</sub>	49.65, -5.94, -24.40
CIE <sub>LCh</sub>	50, 25.113, 256.319
Yxy	18.1250, 0.2318, 0.2599
Android (android.graphics.Color)	4283071391 (0xFF4A7B9F)
YUV	112.4530, 22.9477, -33.7233
Hunter-Lab	42.5734, -6.7276, -19.5645

# Details

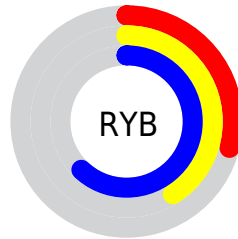
The Hex color **4A7B9F** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **9F6E4A**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **80AFD6**, and **0A4A6B** is the 20% darker color. If you saturate the color by 10%, you get **3A749F**, and if you desaturate by 10%, it is **5A829F**.

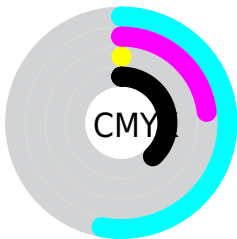
# Distribution



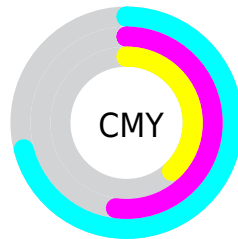
- Red (29%)
- Green (48%)
- Blue (62%)



- Red (29%)
- Yellow (41%)
- Blue (62%)



- Cyan (53%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (71%)
- Magenta (52%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4A7B9F 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 4A7B9F by changing the saturation by 10% instead.





4A7B9F



4A7B9F

FFFFFF



2E6285



80AFD6



0A4A6B



9CCBF2



003453



B8E7FF



001F3C



D4FFFF



000326



F1FFFF



00010F



000000



4A7B9F



4A7B9F



3A749F



5A829F

■ 2A6E9F

■ 6A889F

■ 1A679F

■ 7A8F9F

■ 0A609F

■ 8A969F

■ 005C9F

■ 9A9D9F

■ A9A39F

■ B9AA9F

■ C9B19F

■ D9B89F

# Harmonies

## Analogous

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



308094



4A7B9F



6B749F

# Triad

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



4A7B9F



A0666B



617E58

# Complementary

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



4A7B9F



9F6E4A

# 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.



79784D



4A7B9F



9C6A58

# Square

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



4A7B9F



9A6781



8D714D



47816B

# Rectangle

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



4A7B9F



7F6F98



8D714D



697C53



# Sweetspot

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



4A7B9F



AEC1CF



4A9F6D



556069



E8E8E8



696969



# Same Dimension

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



4A7B9F



4A97CF



4A519F



474C4F



00528F



00090F



# Inverse Universe

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



9F4A7B



CF4A97



9F984A



4F474C



8F0052



0F0009



# Previews

## White Background



This preview shows how the Hex color 4A7B9F looks on a white background.

## Color Contrast Check

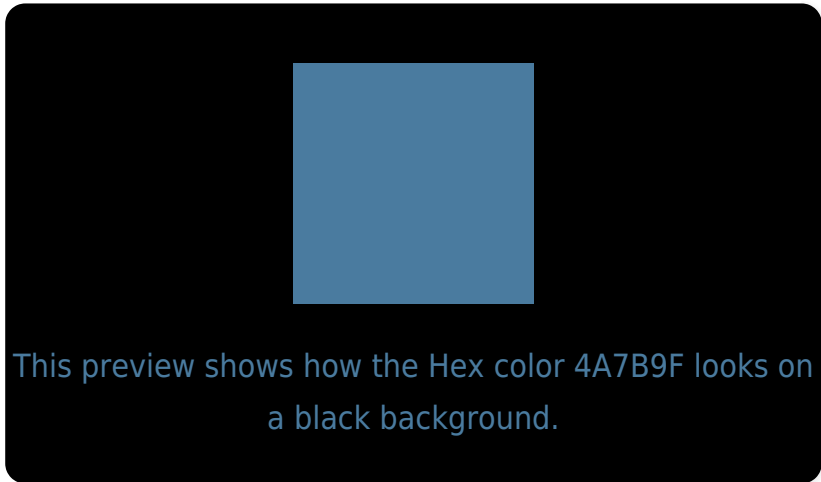
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

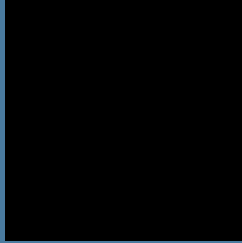
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

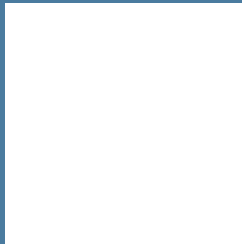
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4A7B9F Background



This preview shows how black text looks on a background with the Hex color 4A7B9F.

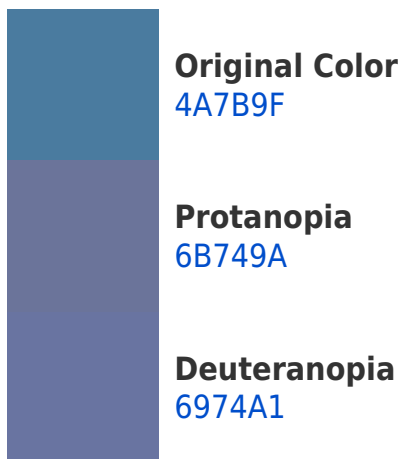


This preview shows how white text looks on a background with the Hex color 4A7B9F.

# 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](#).

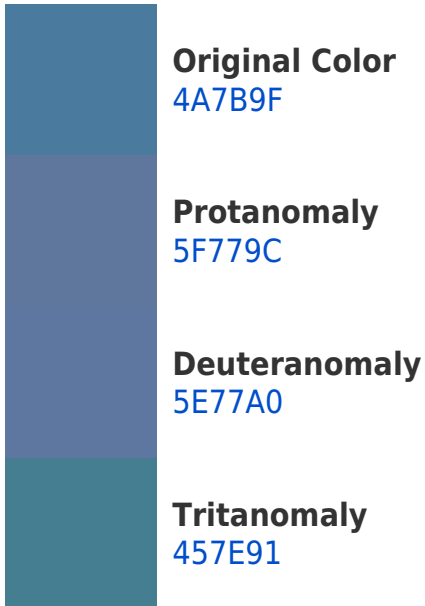
## Dichromacy





**Tritanopia**  
427F89

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4A7B9F 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 #4A7B9F looks like.

```
.text, #text, p{  
    color:#4A7B9F  
}
```

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 #4A7B9F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4A7B9F
}
```

## Border

The CSS property to change the border of an element to Hex 4A7B9F 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
#4A7B9F }
```

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

```
.border{ border-color:#4A7B9F }
```

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

Here you see how a box with a 4 pixel #4A7B9F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4A7B9F; -webkit-box-shadow:4px 4px  
4px 4px #4A7B9F; box-shadow:4px 4px 4px  
4px #4A7B9F }
```

# Background

The CSS property to change the background color of an element to Hex 4A7B9F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4A7B9F }
```

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

```
.background{ background-color:#4A7B9F }
```

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