

# Converting Colors

Hex(4D7A8B)

Have a look what the booklet for  
Hex(4D7A8B) contains.

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# Color

Hex(4D7A8B)

# Conversions

## Conversions Part 1

Format	Color
Hex	4D7A8B
RGB	77, 122, 139
RGB Percent	30%, 48%, 55%
CMY	0.6980, 0.5216, 0.4549
CMYK	0.45, 0.12, 0.00, 0.45
HSL	196°, 29%, 42%
HSV	196°, 45%, 55%
XYZ	14.6803, 17.3609, 27.0034
YIQ	110.4830, -32.2770, -4.2530

# Conversions

## Conversions Part 2

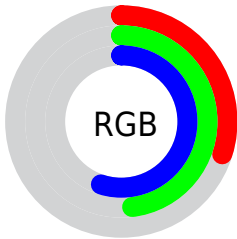
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 103, 139
Decimal	5077643
CIELab	48.71, -10.66, -14.08
CIELCh	49, 17.664, 232.875
Yxy	17.3609, 0.2486, 0.2940
Android (android.graphics.Color)	4283267723 (0xFF4D7A8B)
YUV	110.4830, 14.0589, -29.3646
Hunter-Lab	41.6664, -10.0255, -9.2584

# Details

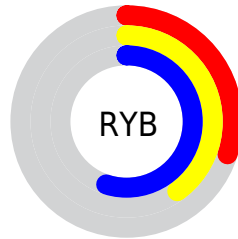
The Hex color **4D7A8B** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8B5E4D**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **81AEC1**, and **184959** is the 20% darker color. If you saturate the color by 10%, you get **3F768B**, and if you desaturate by 10%, it is **5B7E8B**.

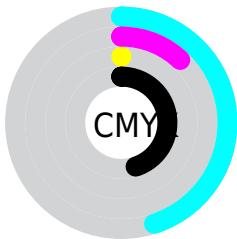
# Distribution



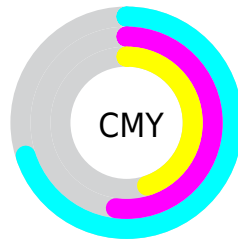
- Red (30%)
- Green (48%)
- Blue (55%)



- Red (30%)
- Yellow (40%)
- Blue (55%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (45%)



- Cyan (70%)
- Magenta (52%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D7A8B 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 4D7A8B by changing the saturation by 10% instead.



■ 4D7A8B

■ 4D7A8B

FFFFFF

■ 336172

■ 81AEC1

■ 184959

■ 9CCADC

■ 003342

■ B8E6F9

■ 001E2B

■ D4FFFF

■ 000117

■ F1FFFF

■ 000000

■ 4D7A8B

■ 4D7A8B

■ 3F768B

■ 5B7E8B

■ 31728B

■ 69828B

236F8B

77858B

156B8B

85898B

07678B

938D8B

00658B

A0918B

AE958B

BC988B

CA9C8B

# Harmonies

## Analogous

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



497C7F



4D7A8B



5D7691

# Triad

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



4D7A8B



8F6978



737658

# Complementary

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



4D7A8B



8B5E4D

# 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.



827156



4D7A8B



926969

# Square

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



4D7A8B



846C86



8E6D5C



627A61

# Rectangle

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



4D7A8B



6B7391



8E6D5C



787557



# Sweetspot

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



4D7A8B



9EAFB5



4D8B5E



4D585C



DBDBDB



5C5C5C



# Same Dimension

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



4D7A8B



539AB5



4D5B8B



3E4345



006085



000405



# Inverse Universe

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



8B4D7A



B5539A



8B7D4D



453E43



850060



050004



# Previews

## White Background



This preview shows how the Hex color 4D7A8B looks on a white background.

## Color Contrast Check

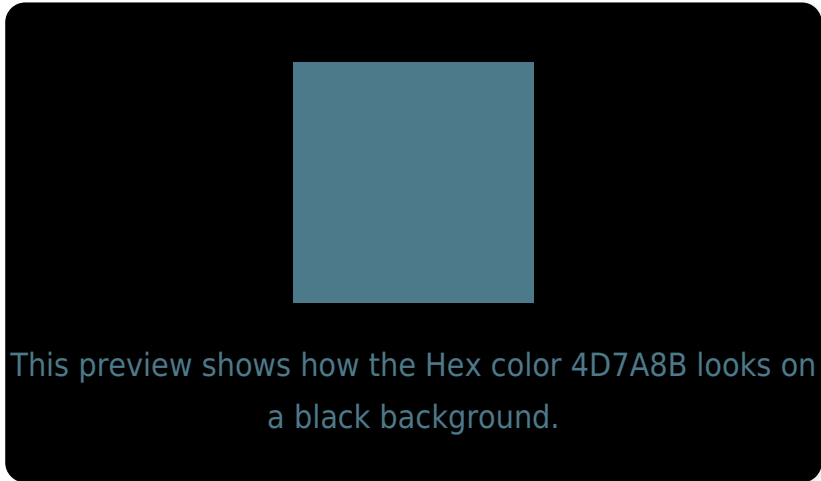
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

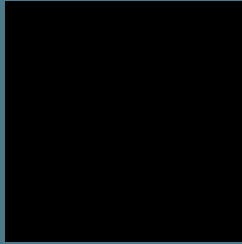
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D7A8B Background



This preview shows how black text looks on a background with the Hex color 4D7A8B.

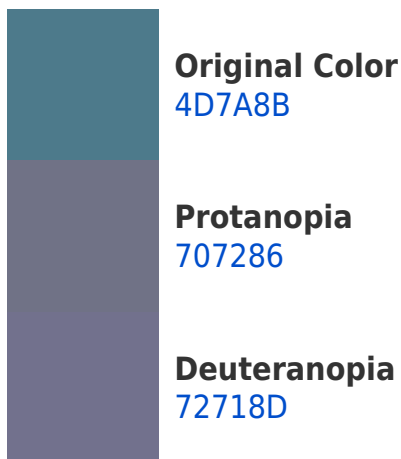


This preview shows how white text looks on a background with the Hex color 4D7A8B.

# 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**  
4B7B85

# Trichromacy



**Original Color**  
4D7A8B

**Protanomaly**  
637588

**Deuteranomaly**  
65748C

**Tritanomaly**  
4C7B87

# Monochromacy



**Original Color**  
4D7A8B

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
627279

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D7A8B 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 #4D7A8B looks like.

```
.text, #text, p{  
    color:#4D7A8B  
}
```

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 #4D7A8B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D7A8B
}
```

## Border

The CSS property to change the border of an element to Hex 4D7A8B 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
#4D7A8B }
```

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

```
.border{ border-color:#4D7A8B }
```

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

Here you see how a box with a 4 pixel #4D7A8B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D7A8B; -webkit-box-shadow:4px 4px  
4px 4px #4D7A8B; box-shadow:4px 4px 4px  
4px #4D7A8B }
```

# Background

The CSS property to change the background color of an element to Hex 4D7A8B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D7A8B }
```

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

```
.background{ background-color:#4D7A8B }
```

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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