

# Converting Colors

Hex(4D78A3)

Have a look what the booklet for  
Hex(4D78A3) contains.

<b>Hex(4D78A3)</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(4D78A3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D78A3
RGB	77, 120, 163
RGB Percent	30%, 47%, 64%
CMY	0.6980, 0.5294, 0.3608
CMYK	0.53, 0.26, 0.00, 0.36
HSL	210°, 36%, 47%
HSV	210°, 53%, 64%
XYZ	16.3879, 17.6551, 37.1944
YIQ	112.0450, -39.4310, 4.2570

# Conversions

## Conversions Part 2

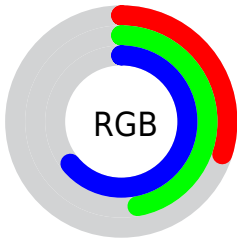
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 106, 163
Decimal	5077155
CIELab	49.08, -2.21, -27.61
CIELCh	49, 27.699, 265.433
Yxy	17.6551, 0.2300, 0.2478
Android (android.graphics.Color)	4283267235 (0xFF4D78A3)
YUV	112.0450, 25.1208, -30.7345
Hunter-Lab	42.0179, -3.9125, -23.0711

# Details

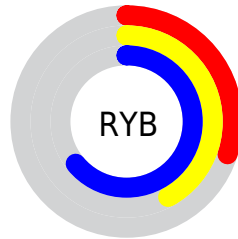
The Hex color **4D78A3** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A3784D**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **83ACDA**, and **10486F** is the 20% darker color. If you saturate the color by 10%, you get **3D70A3**, and if you desaturate by 10%, it is **5D80A3**.

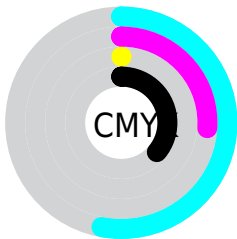
# Distribution



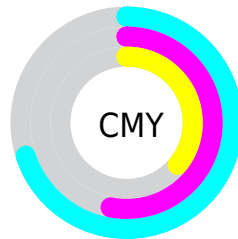
- Red (30%)
- Green (47%)
- Blue (64%)



- Red (30%)
- Yellow (42%)
- Blue (64%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (36%)



- Cyan (70%)
- Magenta (53%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D78A3 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 4D78A3 by changing the saturation by 10% instead.



■ 4D78A3

■ 4D78A3

FFFFFF

■ 315F89

■ 83ACDA

■ 10486F

■ 9FC7F7

■ 003256

■ BBE3FF

■ 001D3F

■ D7FFFF

■ 000329

■ F5FFFF

■ 000113

■ 000000

■ 4D78A3

■ 4D78A3

■ 3D70A3

■ 5D80A3

■ 2C68A3

■ 6E88A3

■ 1C60A3

■ 7E90A3

■ 0C57A3

■ 8E99A3

■ 0052A3

■ 9FA1A3

■ AFA9A3

■ BFB1A3

■ CFB9A3

■ E0C1A3

# Harmonies

## Analogous

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



267E9B



4D78A3



72709F

# Triad

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



4D78A3



A26462



547E59

# Complementary

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



4D78A3



A3784D

# 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.



707949



4D78A3



996A4F

# Square

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



4D78A3



9F6379



887246



368170

# Rectangle

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



4D78A3



876A96



887246



5E7D53



# Sweetspot

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



4D78A3



B2C3D4



4DA378



57616B



EBEBEB



6B6B6B



# Same Dimension

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



4D78A3



4E91D4



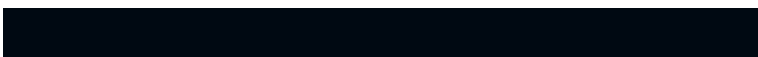
4D4DA3



494E52



004991



000912



# Inverse Universe

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



A34D78



D44E91



A3A34D



52494E



910049



120009



# Previews

## White Background



This preview shows how the Hex color 4D78A3 looks on a white background.

## Color Contrast Check

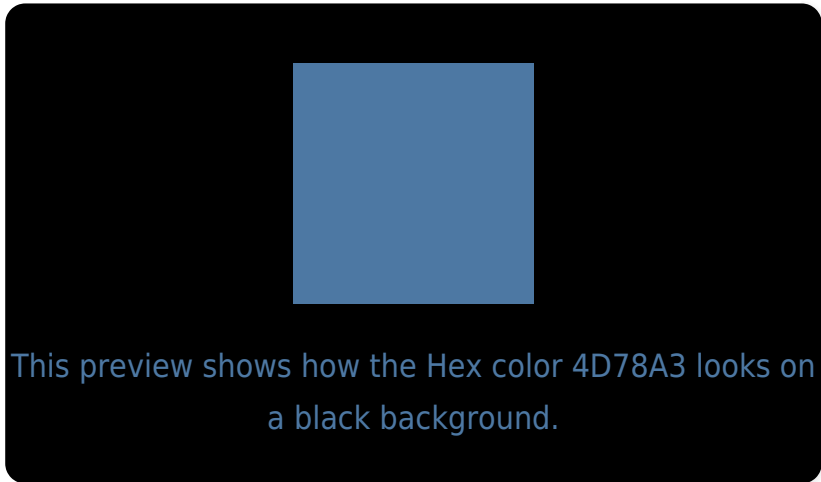
Large Text (above 18pt) WCAG AA ✓ Pass

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 4D78A3 Background



This preview shows how black text looks on a background with the Hex color 4D78A3.

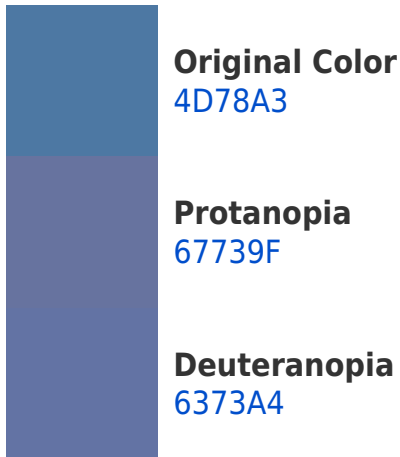



This preview shows how white text looks on a background with the Hex color 4D78A3.

# 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](#).

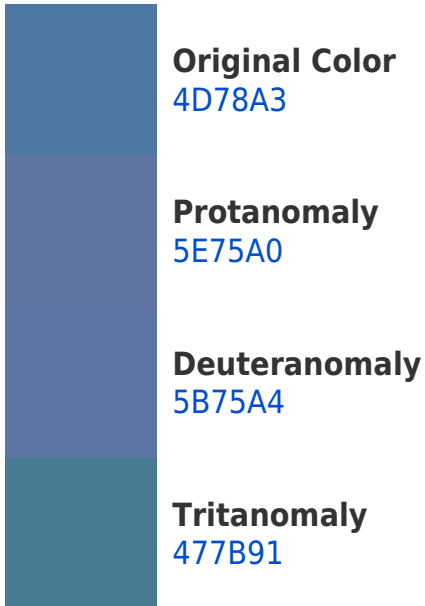
## Dichromacy





**Tritanopia**  
437D87

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D78A3 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 #4D78A3 looks like.

```
.text, #text, p{  
    color:#4D78A3  
}
```

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 #4D78A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D78A3
}
```

## Border

The CSS property to change the border of an element to Hex 4D78A3 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
#4D78A3 }
```

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

```
.border{ border-color:#4D78A3 }
```

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

Here you see how a box with a 4 pixel #4D78A3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D78A3; -webkit-box-shadow:4px 4px  
4px 4px #4D78A3; box-shadow:4px 4px 4px  
4px #4D78A3 }
```

# Background

The CSS property to change the background color of an element to Hex 4D78A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D78A3 }
```

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

```
.background{ background-color:#4D78A3 }
```

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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