

# Converting Colors

Hex(4B87AD)

Have a look what the booklet for  
Hex(4B87AD) contains.

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**Color**

**Hex(4B87AD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B87AD
RGB	75, 135, 173
RGB Percent	29%, 53%, 68%
CMY	0.7059, 0.4706, 0.3216
CMYK	0.57, 0.22, 0.00, 0.32
HSL	203°, 40%, 49%
HSV	203°, 57%, 68%
XYZ	19.1084, 21.8409, 42.7438
YIQ	121.3920, -47.9580, -0.9020

# Conversions

## Conversions Part 2

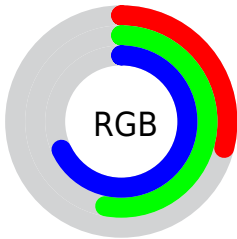
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 112, 173
Decimal	4949933
CIELab	53.86, -8.20, -26.00
CIELCh	54, 27.261, 252.489
Yxy	21.8409, 0.2283, 0.2610
Android (android.graphics.Color)	4283140013 (0xFF4B87AD)
YUV	121.3920, 25.4427, -40.6858
Hunter-Lab	46.7343, -8.8009, -21.5134

# Details

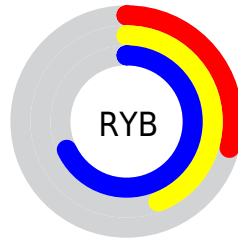
The Hex color **4B87AD** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **AD714B**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **83BCE5**, and **015578** is the 20% darker color. If you saturate the color by 10%, you get **3A80AD**, and if you desaturate by 10%, it is **5C8EAD**.

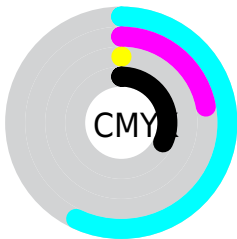
# Distribution



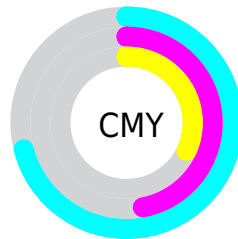
- Red (29%)
- Green (53%)
- Blue (68%)



- Red (29%)
- Yellow (44%)
- Blue (68%)



- Cyan (57%)
- Magenta (22%)
- Yellow (0%)
- Black (32%)



- Cyan (71%)
- Magenta (47%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B87AD 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 4B87AD by changing the saturation by 10% instead.



■ 4B87AD

■ 4B87AD

FFFFFF

■ 2D6E92

■ 83BCE5

■ 015578

■ 9FD8FF

■ 003E60

■ BBF4FF

■ 002948

■ D8FFFF

■ 001531

■ F6FFFF

■ 00011C

■ 000000

■ 4B87AD

■ 4B87AD

■ 3A80AD

■ 5C8EAD

■ 287AAD

■ 6E94AD

■ 1773AD

■ 7F9BAD

■ 066CAD

■ 90A2AD

■ 006AAD

■ A2A9AD

■ B3AFAD

■ C4B6AD

■ D5BDAD

■ E7C3AD

# Harmonies

## Analogous

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



308CA0



4B87AD



7080AE

# Triad

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



4B87AD



AF6F78



6D895D

# Complementary

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



4B87AD



AD714B

# 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.



878252



4B87AD



AB7362

# Square

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



4B87AD



A6718F



9D7B54



518C72

# Rectangle

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



4B87AD



867AA8



9D7B54



768758



# Sweetspot

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



4B87AD



BAD2E0



4BAD71



5A6770



F0F0F0



707070



# Same Dimension

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



4B87AD



48A5E0



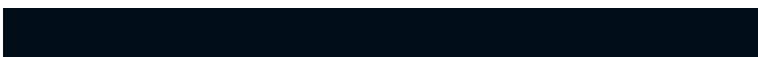
4B56AD



4E5357



005C96



000E17



# Inverse Universe

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



AD4B87



E048A5



ADA24B



574E53



96005C



17000E



# Previews

## White Background



This preview shows how the Hex color 4B87AD looks on a white background.

## Color Contrast Check

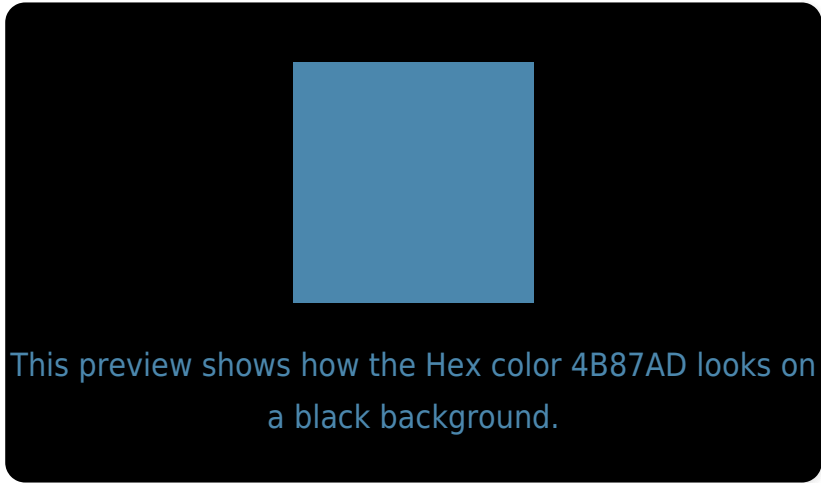
Large Text (above 18pt) WCAG AA ✓ Pass

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

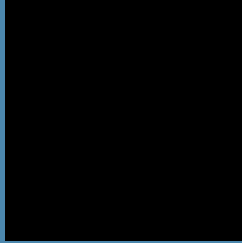
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

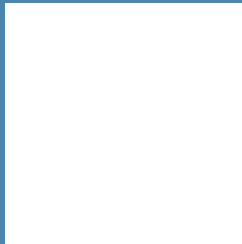
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4B87AD Background



This preview shows how black text looks on a background with the Hex color 4B87AD.

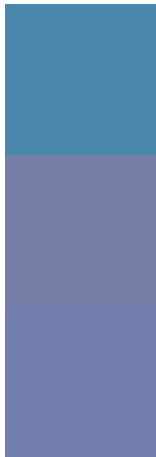


This preview shows how white text looks on a background with the Hex color 4B87AD.

# 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**  
4B87AD

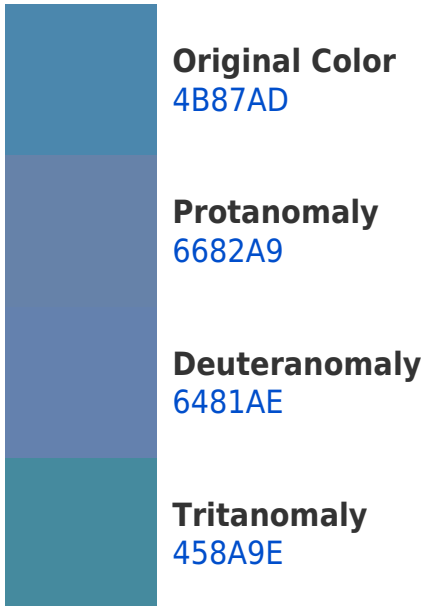
**Protanopia**  
757FA7

**Deuteranopia**  
727EAF

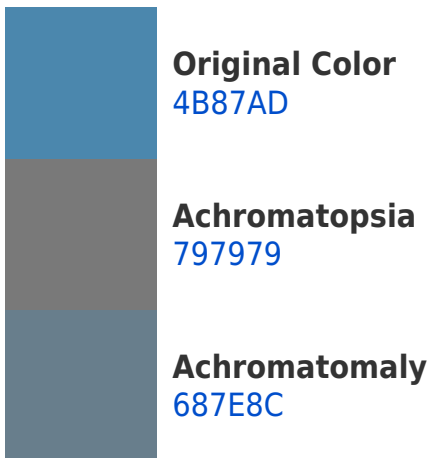


**Tritanopia**  
428B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B87AD 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 #4B87AD looks like.

```
.text, #text, p{  
    color:#4B87AD  
}
```

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 #4B87AD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B87AD
}
```

## Border

The CSS property to change the border of an element to Hex 4B87AD 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
#4B87AD }
```

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

```
.border{ border-color:#4B87AD }
```

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

Here you see how a box with a 4 pixel #4B87AD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B87AD; -webkit-box-shadow:4px 4px  
4px 4px #4B87AD; box-shadow:4px 4px 4px  
4px #4B87AD }
```

# Background

The CSS property to change the background color of an element to Hex 4B87AD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B87AD }
```

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

```
.background{ background-color:#4B87AD }
```

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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