

# Converting Colors

Hex(4B76B4)

Have a look what the booklet for  
Hex(4B76B4) contains.

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# Color

Hex(4B76B4)

# Conversions

## Conversions Part 1

Format	Color
Hex	4B76B4
RGB	75, 118, 180
RGB Percent	29%, 46%, 71%
CMY	0.7059, 0.5373, 0.2941
CMYK	0.58, 0.34, 0.00, 0.29
HSL	215°, 41%, 50%
HSV	215°, 58%, 71%
XYZ	17.6183, 17.7480, 45.6771
YIQ	112.2110, -45.5300, 10.1660

# Conversions

## Conversions Part 2

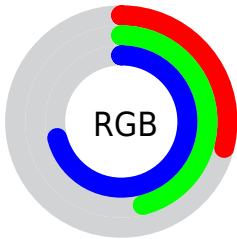
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 106, 180
Decimal	4945588
CIE <sub>Lab</sub>	49.19, 4.10, -37.32
CIE <sub>LCh</sub>	49, 37.548, 276.270
Yxy	17.7480, 0.2174, 0.2190
Android (android.graphics.Color)	4283135668 (0xFF4B76B4)
YUV	112.2110, 33.4200, -32.6340
Hunter-Lab	42.1284, 0.9249, -34.7945

# Details

The Hex color **4B76B4** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B4894B**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **83AAEC**, and **00467F** is the 20% darker color. If you saturate the color by 10%, you get **396BB4**, and if you desaturate by 10%, it is **5D81B4**.

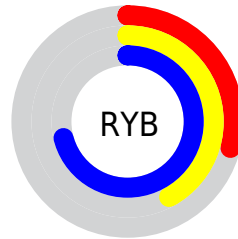
# Distribution



Red (29%)

Green (46%)

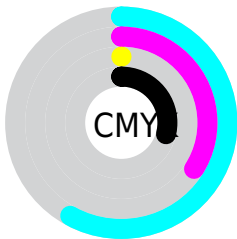
Blue (71%)



Red (29%)

Yellow (42%)

Blue (71%)

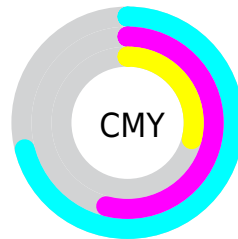


Cyan (58%)

Magenta (34%)

Yellow (0%)

Black (29%)



Cyan (71%)

Magenta (54%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B76B4 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 4B76B4 by changing the saturation by 10% instead.





4B76B4



4B76B4

FFFFFF



2D5E99



83AAEC



00467F



A0C5FF



003065



BCE1FF



001C4D



D9FDFF



000436



F7FFFF



000220



000004



000000



4B76B4



4B76B4

■ 396BB4

■ 5D81B4

■ 2761B4

■ 6F8BB4

■ 1556B4

■ 8196B4

■ 034BB4

■ 93A1B4

■ 004AB4

■ A5ABB4

■ B7B6B4

■ C9C0B4

■ DBCBB4

■ EDD6B4

# Harmonies

## Analogous

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



007FAF



4B76B4



806AA8

# Triad

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



4B76B4



AD5F51



34835A

# Complementary

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



4B76B4



B4894B

# 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.



607E40



4B76B4



9C6A3B

# Square

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



4B76B4



B05A6F



827533



00857B

# Rectangle

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



4B76B4



996299



827533



458250



# Sweetspot

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



4B76B4



C0D2EB



4BB488



5B6675



F5F5F5



757575



# Same Dimension

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



4B76B4



468AEB



544BB4



505459



003F99



000A1A



# Inverse Universe

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



B44B76



EB468A



ABB44B



595054



99003F



1A000A



# Previews

## White Background



This preview shows how the Hex color 4B76B4 looks on a white background.

## Color Contrast Check

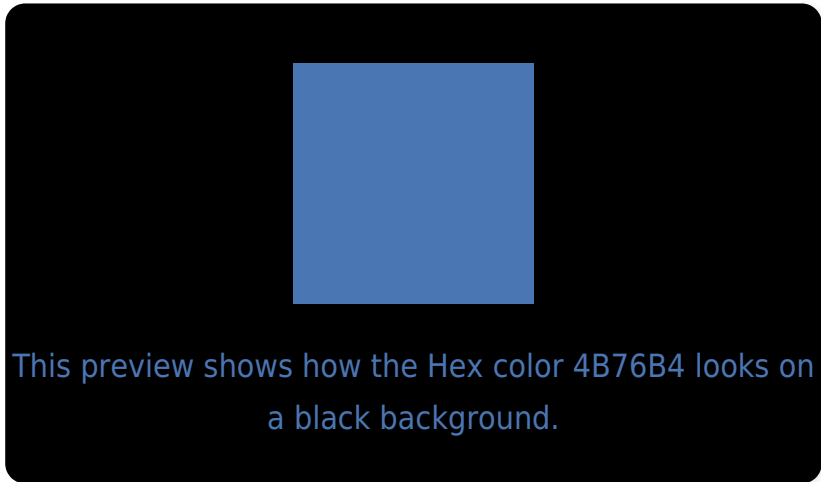
Large Text (above 18pt) WCAG AA ✓ Pass

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

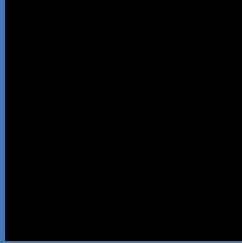
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4B76B4 Background



This preview shows how black text looks on a background with the Hex color 4B76B4.

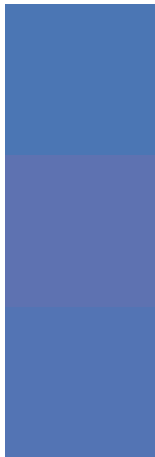


This preview shows how white text looks on a background with the Hex color 4B76B4.

# 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**  
4B76B4

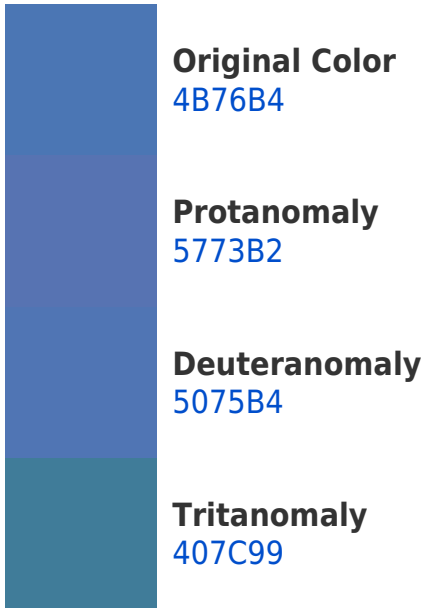
**Protanopia**  
5E72B1

**Deuteranopia**  
5374B4

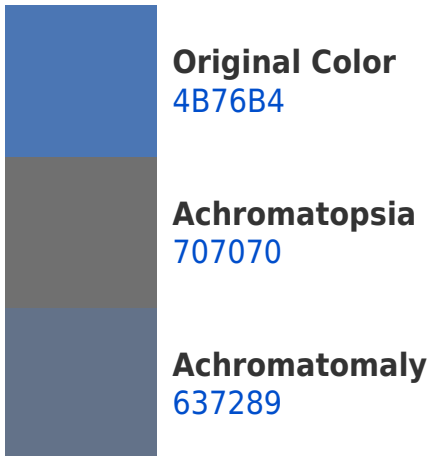


**Tritanopia**  
397F89

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B76B4 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 #4B76B4 looks like.

```
.text, #text, p{  
    color:#4B76B4  
}
```

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 #4B76B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B76B4
}
```

## Border

The CSS property to change the border of an element to Hex 4B76B4 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
#4B76B4 }
```

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

```
.border{ border-color:#4B76B4 }
```

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

Here you see how a box with a 4 pixel #4B76B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B76B4; -webkit-box-shadow:4px 4px  
4px 4px #4B76B4; box-shadow:4px 4px 4px  
4px #4B76B4 }
```

# Background

The CSS property to change the background color of an element to Hex 4B76B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B76B4 }
```

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

```
.background{ background-color:#4B76B4 }
```

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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