

# Converting Colors

Hex(4477B9)

Have a look what the booklet for  
Hex(4477B9) contains.

<b>Hex(4477B9)</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(4477B9)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4477B9
RGB	68, 119, 185
RGB Percent	27%, 47%, 73%
CMY	0.7333, 0.5333, 0.2745
CMYK	0.63, 0.36, 0.00, 0.27
HSL	214°, 46%, 50%
HSV	214°, 63%, 73%
XYZ	17.7377, 17.9254, 48.4240
YIQ	111.2750, -51.5820, 9.7140

# Conversions

## Conversions Part 2

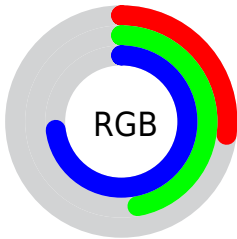
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	68, 104, 185
Decimal	4487097
CIE Lab	49.41, 3.81, -39.89
CIE LCh	49, 40.075, 275.455
Yxy	17.9254, 0.2109, 0.2132
Android (android.graphics.Color)	4282677177 (0xFF4477B9)
YUV	111.2750, 36.3464, -37.9522
Hunter-Lab	42.3384, 0.6905, -38.1754

# Details

The Hex color **4477B9** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B98644**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **7EABF1**, and **004783** is the 20% darker color. If you saturate the color by 10%, you get **326DB9**, and if you desaturate by 10%, it is **5681B9**.

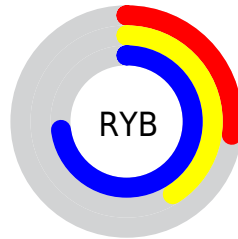
# Distribution



Red (27%)

Green (47%)

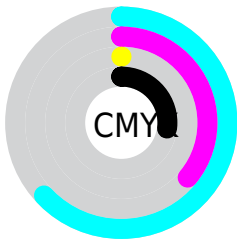
Blue (73%)



Red (27%)

Yellow (41%)

Blue (73%)

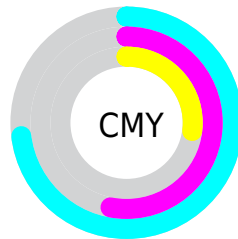


Cyan (63%)

Magenta (36%)

Yellow (0%)

Black (27%)



Cyan (73%)

Magenta (53%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4477B9 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 4477B9 by changing the saturation by 10% instead.



■ 4477B9

■ 4477B9

FFFFFF

■ 225F9E

■ 7EABF1

■ 004783

■ 9BC6FF

■ 00316A

■ B8E2FF

■ 001D51

■ D5FFFF

■ 00043A

■ F3FFFF

■ 000223

■ 00000B

■ 000000

■ 4477B9

■ 4477B9

■ 326DB9

■ 5681B9

■ 1F62B9

■ 698CB9

■ 0C58B9

■ 7C96B9

■ 0051B9

■ 8EA1B9

■ A1ABB9

■ B3B6B9

■ C5C0B9

■ D8CAB9

■ EBD5B9

# Harmonies

## Analogous

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



0080B3



4477B9



806AAD

# Triad

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



4477B9



B25E50



2F8458

# Complementary

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



4477B9



B98644

# 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.



607F3C



4477B9



A06937

# Square

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



4477B9



B45871



83762F



00877B

# Rectangle

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



4477B9



9A619C



83762F



42834D



# Sweetspot

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



4477B9



C2D6F0



44B984



5C6878



F7F7F7



787878



# Same Dimension

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



4477B9



3A89F0



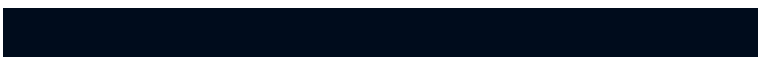
4A44B9



53575C



00449C



000C1C



# Inverse Universe

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



B94477



F03A89



B3B944



5C5357



9C0044



1C000C



# Previews

## White Background



This preview shows how the Hex color 4477B9 looks on a white background.

## Color Contrast Check

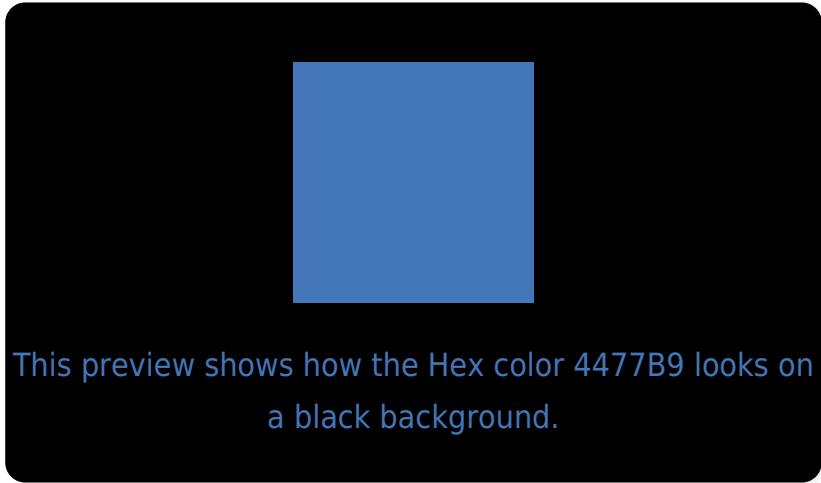
Large Text (above 18pt) WCAG AA ✓ Pass

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 4477B9 Background



This preview shows how black text looks on a background with the Hex color 4477B9.

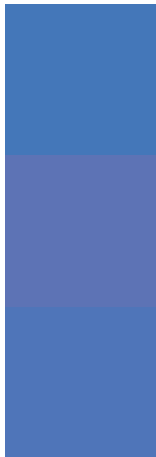


This preview shows how white text looks on a background with the Hex color 4477B9.

# 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**  
4477B9

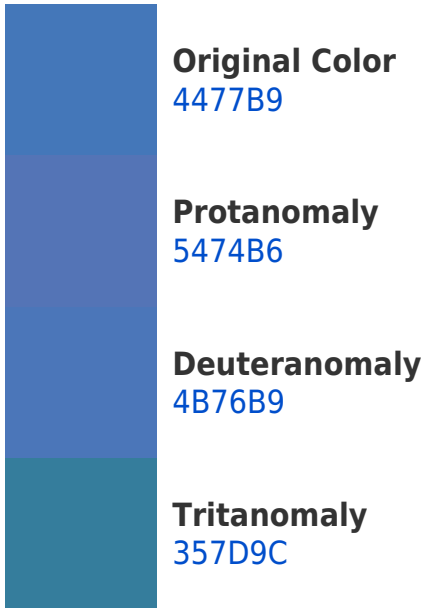
**Protanopia**  
5D73B5

**Deuteranopia**  
4F75B9

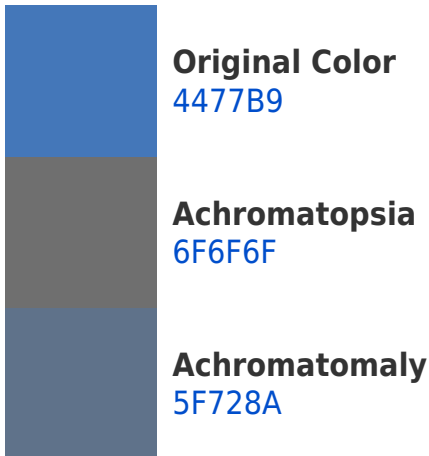


**Tritanopia**  
2C808B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4477B9 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 #4477B9 looks like.

```
.text, #text, p{  
    color:#4477B9  
}
```

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 #4477B9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4477B9
}
```

## Border

The CSS property to change the border of an element to Hex 4477B9 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
#4477B9 }
```

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

```
.border{ border-color:#4477B9 }
```

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

Here you see how a box with a 4 pixel #4477B9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4477B9; -webkit-box-shadow:4px 4px  
4px 4px #4477B9; box-shadow:4px 4px 4px  
4px #4477B9 }
```

# Background

The CSS property to change the background color of an element to Hex 4477B9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4477B9 }
```

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

```
.background{ background-color:#4477B9 }
```

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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