

# Converting Colors

Hex(4499BB)

Have a look what the booklet for  
Hex(4499BB) contains.

<b>Hex(4499BB)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(4499BB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4499BB
RGB	68, 153, 187
RGB Percent	27%, 60%, 73%
CMY	0.7333, 0.4000, 0.2667
CMYK	0.64, 0.18, 0.00, 0.27
HSL	197°, 47%, 50%
HSV	197°, 64%, 73%
XYZ	22.7448, 27.5993, 51.1421
YIQ	131.4610, -61.5740, -7.4460

# Conversions

## Conversions Part 2

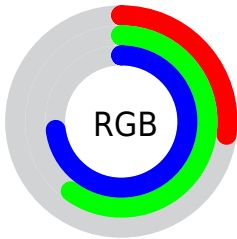
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	68, 118, 187
Decimal	4495803
CIE Lab	59.52, -15.12, -25.25
CIE LCh	60, 29.430, 239.091
Yxy	27.5993, 0.2241, 0.2720
Android (android.graphics.Color)	4282685883 (0xFF4499BB)
YUV	131.4610, 27.3807, -55.6553
Hunter-Lab	52.5350, -14.6556, -20.9435

# Details

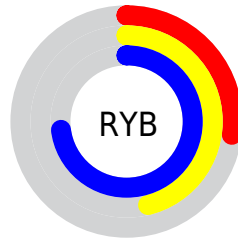
The Hex color **4499BB** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **BB6644**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **7FCFF3**, and **006686** is the 20% darker color. If you saturate the color by 10%, you get **3194BB**, and if you desaturate by 10%, it is **579EBB**.

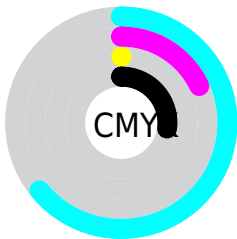
# Distribution



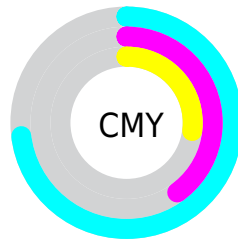
- Red (27%)
- Green (60%)
- Blue (73%)



- Red (27%)
- Yellow (46%)
- Blue (73%)



- Cyan (64%)
- Magenta (18%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (40%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4499BB 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 4499BB by changing the saturation by 10% instead.



■ 4499BB

■ 4499BB

FFFFFF

■ 207FA0

■ 7FCFF3

■ 006686

■ 9CECFF

■ 004E6C

■ BAFFFF

■ 003754

■ D7FFFF

■ 00223D

■ F5FFFF

■ 000327

■ 000110

■ 000000

■ 4499BB

■ 4499BB

■ 3194BB

■ 579EBB

■ 1F8EBB

■ 69A4BB

■ 0C89BB

■ 7CA9BB

■ 0086BB

■ 8FAEBB

■ A2B4BB

■ B4B9BB

■ C7BEBB

■ DAC4BB

■ ECC9BB

# Harmonies

## Analogous

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



359DA8



4499BB



6B92C3

# Triad

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



4499BB



C07C91



879561

# Complementary

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



4499BB



BB6644

# 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.



A28D5B



4499BB



C27E77

# Square

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



4499BB



AF80AA



B78564



689B74

# Rectangle

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



4499BB



858CC0



B78564



90935E



# Sweetspot

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



4499BB



C4E5F2



44BB66



5E727A



FAFAFA



7A7A7A



# Same Dimension

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



4499BB



3ABEF2



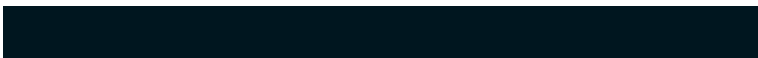
445EBB



555C5E



00719E



00161F



# Inverse Universe

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



BB4499



F23ABE



BBA144



5E555C



9E0071



1F0016



# Previews

## White Background



This preview shows how the Hex color 4499BB looks on a white background.

## Color Contrast Check

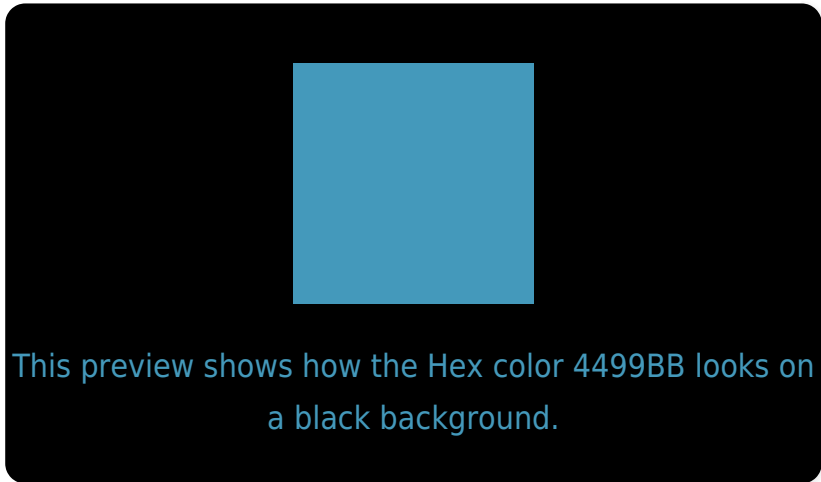
Large Text (above 18pt) WCAG AA ✓ Pass

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 4499BB Background



This preview shows how black text looks on a background with the Hex color 4499BB.



This preview shows how white text looks on a background with the Hex color 4499BB.

# 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](#).

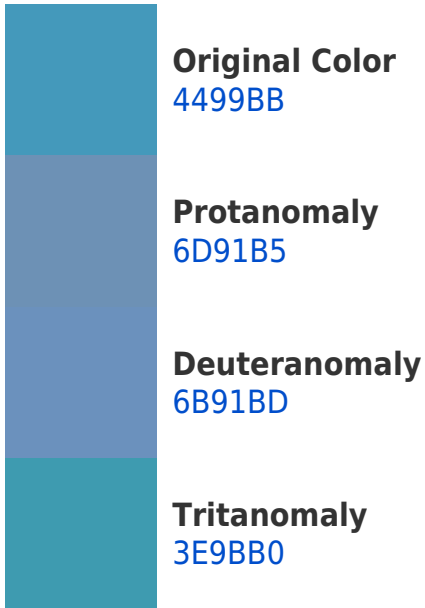
## Dichromacy



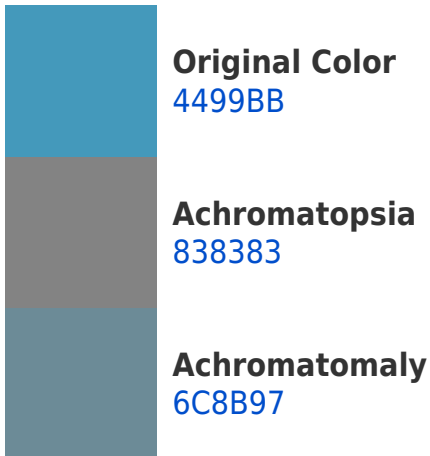


**Tritanopia**  
3B9CA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4499BB 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 #4499BB looks like.

```
.text, #text, p{  
    color:#4499BB  
}
```

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 #4499BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4499BB
}
```

## Border

The CSS property to change the border of an element to Hex 4499BB 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
#4499BB }
```

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

```
.border{ border-color:#4499BB }
```

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

Here you see how a box with a 4 pixel #4499BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4499BB; -webkit-box-shadow:4px 4px  
4px 4px #4499BB; box-shadow:4px 4px 4px  
4px #4499BB }
```

# Background

The CSS property to change the background color of an element to Hex 4499BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4499BB }
```

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

```
.background{ background-color:#4499BB }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor