

# Converting Colors

Hex(49578C)

Have a look what the booklet for  
Hex(49578C) contains.

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# Color

Hex(49578C)

# Conversions

## Conversions Part 1

Format	Color
Hex	49578C
RGB	73, 87, 140
RGB Percent	29%, 34%, 55%
CMY	0.7137, 0.6588, 0.4510
CMYK	0.48, 0.38, 0.00, 0.45
HSL	227°, 31%, 42%
HSV	227°, 48%, 55%
XYZ	10.8895, 10.1263, 26.1916
YIQ	88.8560, -25.3570, 13.5150

# Conversions

## Conversions Part 2

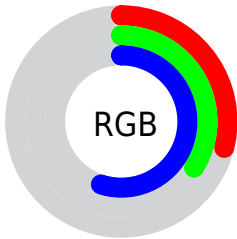
Format	Color
R <sub>Y</sub> B	73, 85, 140
Decimal	4806540
CIE Lab	38.07, 9.79, -31.16
CIE LCh	38, 32.665, 287.442
Yxy	10.1263, 0.2307, 0.2145
Android (android.graphics.Color)	4282996620 (0xFF49578C)
YUV	88.8560, 25.2140, -13.9057
Hunter-Lab	31.8219, 5.3946, -26.5244

# Details

The Hex color **49578C** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **8C7E49**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **7D89C2**, and **132A59** is the 20% darker color. If you saturate the color by 10%, you get **3B4C8C**, and if you desaturate by 10%, it is **57628C**.

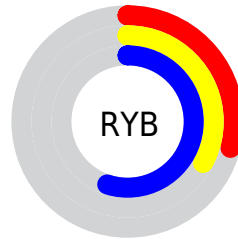
# Distribution



Red (29%)

Green (34%)

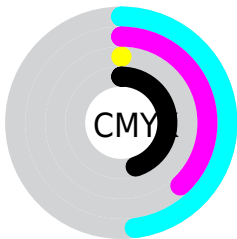
Blue (55%)



Red (29%)

Yellow (33%)

Blue (55%)

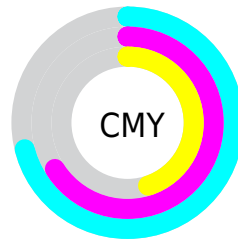


Cyan (48%)

Magenta (38%)

Yellow (0%)

Black (45%)



Cyan (71%)

Magenta (66%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49578C 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 49578C by changing the saturation by 10% instead.



■ 49578C

■ 49578C

FFFFFF

■ 2F4072

■ 7D89C2

■ 132A59

■ 98A3DE

■ 001642

■ B4BEFB

■ 00022B

■ D0DAFF

■ 000116

■ EDF6FF

■ 000000

■ 49578C

■ 49578C

■ 3B4C8C

■ 57628C

■ 2D418C

■ 656D8C

■ 1F368C

■ 73788C

■ 112B8C

■ 81838C

■ 03208C

■ 8F8E8C

■ 001D8C

■ 9D998C

■ ABA58C

■ B9B08C

■ C7BB8C

# Harmonies

## Analogous

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



00608D



49578C



6F4D7E

# Triad

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



49578C



844B34



05664D

# Complementary

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



49578C



8C7E49

# 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.



3C6335



49578C



735425

# Square

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



49578C



8B444B



5A5D25



006769

# Rectangle

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



49578C



7F476E



5A5D25



206544



# Sweetspot

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



49578C



9CA1B5



498C7D



4C4F5C



DBDBDB



5C5C5C



# Same Dimension

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



49578C



4E63B5



5C498C



3E3F45



001C85



000105



# Inverse Universe

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



8C4957



B54E63



798C49



453E3F



85001C

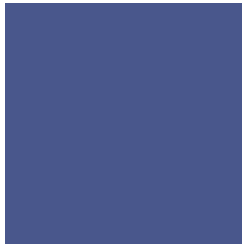


050001



# Previews

## White Background



This preview shows how the Hex color 49578C looks on a white background.

## Color Contrast Check

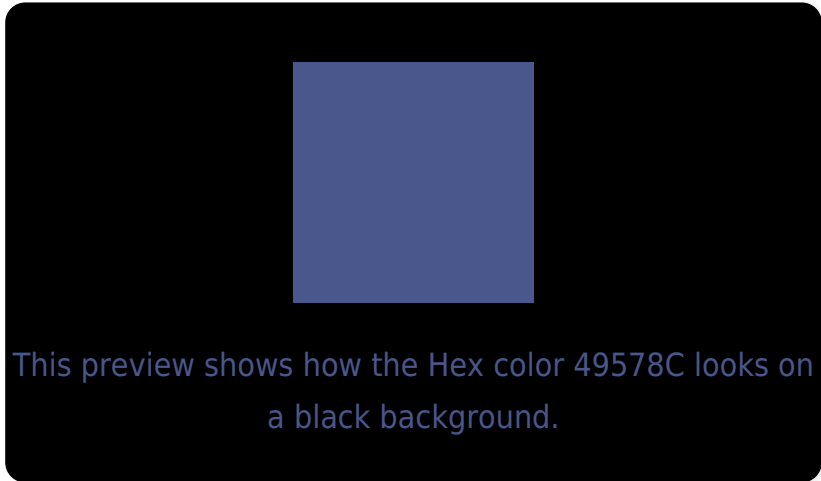
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

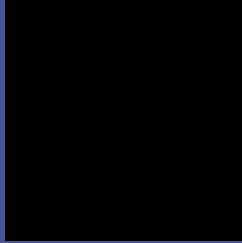
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 49578C Background



This preview shows how black text looks on a background with the Hex color 49578C.



This preview shows how white text looks on a background with the Hex color 49578C.

# 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**  
49578C

**Protanopia**  
46588D

**Deuteranopia**  
3F598B



**Tritanopia**  
3E5F66

# Trichromacy



**Original Color**  
49578C

**Protanomaly**  
47588D

**Deuteranomaly**  
43588B

**Tritanomaly**  
425C74

# Monochromacy



**Original Color**  
49578C

**Achromatopsia**  
595959

**Achromatomaly**  
53586C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49578C 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 #49578C looks like.

```
.text, #text, p{  
    color:#49578C  
}
```

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 #49578C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49578C
}
```

## Border

The CSS property to change the border of an element to Hex 49578C is called "border". The border property can be set on classes, ids or directly on the HTML element.

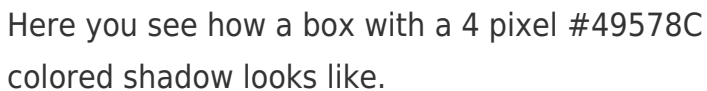
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#49578C }
```

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

```
.border{ border-color:#49578C }
```

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



Here you see how a box with a 4 pixel #49578C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49578C; -webkit-box-shadow:4px 4px  
4px 4px #49578C; box-shadow:4px 4px 4px  
4px #49578C }
```

# Background

The CSS property to change the background color of an element to Hex 49578C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49578C }
```

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

```
.background{ background-color:#49578C }
```

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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