

# Converting Colors

Hex(68749C)

Have a look what the booklet for  
Hex(68749C) contains.

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# Color

Hex(68749C)

# Conversions

## Conversions Part 1

Format	Color
Hex	68749C
RGB	104, 116, 156
RGB Percent	41%, 45%, 61%
CMY	0.5922, 0.5451, 0.3882
CMYK	0.33, 0.26, 0.00, 0.39
HSL	226°, 21%, 51%
HSV	226°, 33%, 61%
XYZ	17.9551, 17.8341, 33.9485
YIQ	116.9720, -19.9920, 9.8960

# Conversions

## Conversions Part 2

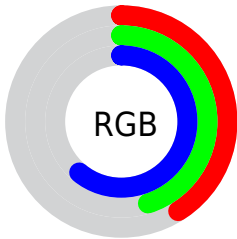
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 114, 156
Decimal	6845596
CIELab	49.29, 5.45, -23.04
CIELCh	49, 23.678, 283.312
Yxy	17.8341, 0.2575, 0.2557
Android (android.graphics.Color)	4285035676 (0xFF68749C)
YUV	116.9720, 19.2408, -11.3764
Hunter-Lab	42.2305, 1.9892, -18.1011

# Details

The Hex color **68749C** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **9C9068**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **9CA8D3**, and **364469** is the 20% darker color. If you saturate the color by 10%, you get **58689C**, and if you desaturate by 10%, it is **78809C**.

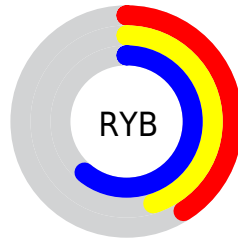
# Distribution



Red (41%)

Green (45%)

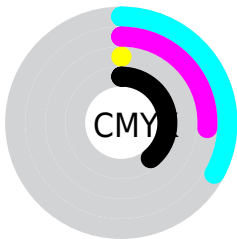
Blue (61%)



Red (41%)

Yellow (45%)

Blue (61%)

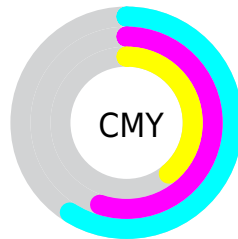


Cyan (33%)

Magenta (26%)

Yellow (0%)

Black (39%)



Cyan (59%)

Magenta (55%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68749C 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 68749C by changing the saturation by 10% instead.



■ 68749C

■ 68749C

FFFFFF

■ 4F5B82

■ 9CA8D3

■ 364469

■ B8C3EF

■ 1E2E50

■ D4DFFF

■ 031A39

■ F0FCFF

■ 000024

■ 00000B

■ 000000

■ 68749C

■ 68749C

■ 58689C

■ 78809C

■ 495C9C

■ 878C9C

■ 39509C

■ 97989C

■ 2A449C

■ A6A49C

■ 1A389C

■ B6B09C

■ 0A2C9C

■ C6BC9C

■ 00249C

■ D5C89C

■ E5D49C

■ F4E09C

# Harmonies

## Analogous

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



4A7A9B



68749C



836D92

# Triad

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



68749C



9A6A5B



4C7F69

# Complementary

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



68749C



9C9068

# 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.



647C57



68749C



8D704F

# Square

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



68749C



9D666D



7A774E



38807E

# Rectangle

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



68749C



916988



7A774E



547F63



# Sweetspot

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



68749C



B8BCCC



689C90



5A5D66



E6E6E6



666666



# Same Dimension

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



68749C



7A8DCC



76689C



47494F



00218F



00040F



# Inverse Universe

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



9C6874



CC7A8D



8E9C68



4F4749



8F0021

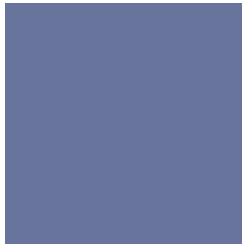


0F0004



# Previews

## White Background



This preview shows how the Hex color 68749C looks on a white background.

## Color Contrast Check

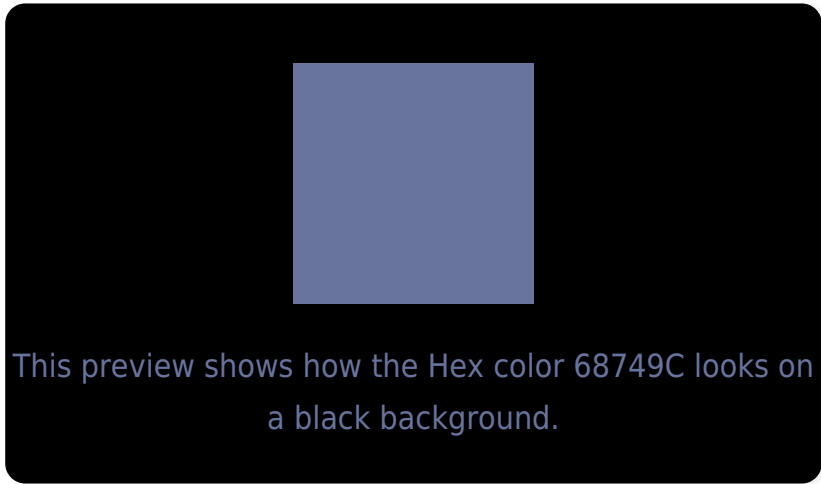
Large Text (above 18pt) WCAG AA ✓ Pass

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

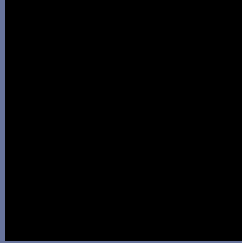
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

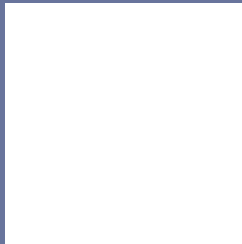
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 68749C Background



This preview shows how black text looks on a background with the Hex color 68749C.



This preview shows how white text looks on a background with the Hex color 68749C.

# 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**  
68749C

**Protanopia**  
6A749C

**Deuteranopia**  
6B739C



**Tritanopia**  
627982

# Trichromacy



**Original Color**  
68749C

**Protanomaly**  
69749C

**Deuteranomaly**  
6A739C

**Tritanomaly**  
64778B

# Monochromacy



**Original Color**  
68749C

**Achromatopsia**  
757575

**Achromatomaly**  
707583

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68749C 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 #68749C looks like.

```
.text, #text, p{  
    color:#68749C  
}
```

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 #68749C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68749C
}
```

## Border

The CSS property to change the border of an element to Hex 68749C 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".

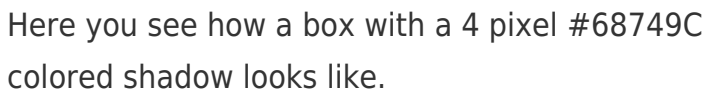
```
.border, #border, table{ border:4px solid
#68749C }
```

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

```
.border{ border-color:#68749C }
```

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

Here you see how a box with a 4 pixel #68749C colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68749C; -webkit-box-shadow:4px 4px  
4px 4px #68749C; box-shadow:4px 4px 4px  
4px #68749C }
```

# Background

The CSS property to change the background color of an element to Hex 68749C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68749C }
```

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

```
.background{ background-color:#68749C }
```

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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