

# Converting Colors

Hex(89749E)

Have a look what the booklet for  
Hex(89749E) contains.

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# Color

**Hex(89749E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	89749E
RGB	137, 116, 158
RGB Percent	54%, 45%, 62%
CMY	0.4627, 0.5451, 0.3804
CMYK	0.13, 0.27, 0.00, 0.38
HSL	270°, 18%, 54%
HSV	270°, 27%, 62%
XYZ	22.7335, 20.2778, 35.0636
YIQ	127.0670, -0.9660, 17.5140

# Conversions

## Conversions Part 2

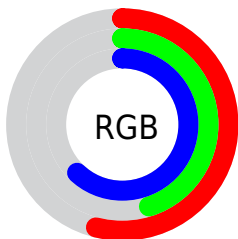
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 116, 158
Decimal	9008286
CIE <sub>Lab</sub>	52.15, 16.62, -19.59
CIE <sub>LCh</sub>	52, 25.688, 310.316
Yxy	20.2778, 0.2912, 0.2597
Android (android.graphics.Color)	4287198366 (0xFF89749E)
YUV	127.0670, 15.2500, 8.7112
Hunter-Lab	45.0308, 11.3104, -14.6450

# Details

The Hex color **89749E** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **899E74**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **BFA8D5**, and **57446B** is the 20% darker color. If you saturate the color by 10%, you get **81649E**, and if you desaturate by 10%, it is **91849E**.

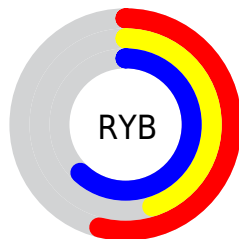
# Distribution



Red (54%)

Green (45%)

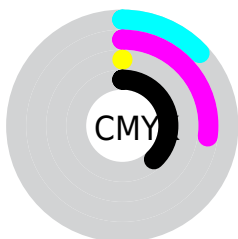
Blue (62%)



Red (54%)

Yellow (45%)

Blue (62%)

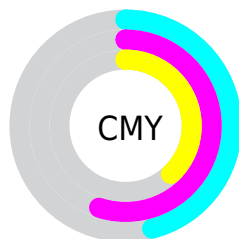


Cyan (13%)

Magenta (27%)

Yellow (0%)

Black (38%)



Cyan (46%)

Magenta (55%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 89749E 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 89749E by changing the saturation by 10% instead.



■ 89749E

■ 89749E

FFFFFF

■ 6F5B84

■ BFA8D5

■ 57446B

■ DBC3F1

■ 3F2D52

■ F7DFFF

■ 28183B

■ FFFCFF

■ 160025

■ 00010E

■ 000000

■ 89749E

■ 89749E

■ 81649E

■ 91849E

79549E

99949E

71459E

A1A39E

69359E

A9B39E

62259E

B1C39E

5A159E

B8D39E

52059E

C0E39E

4F009E

C8F29E

D0FF9E

# Harmonies

## Analogous

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



6A7CA7



89749E



9E6E8C

# Triad

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



89749E



987653



398883

# Complementary

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



89749E



899E74

# 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.



52876D



89749E



847D51

# Square

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



89749E



A56F61



6C845A



328798

# Rectangle

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



89749E



A66C7D



6C845A



41887C



# Sweetspot

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



89749E



C6BECF



74899E



635E69



E8E8E8



696969



# Same Dimension

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



89749E



AE8CCF



9E749E



4B474F



47008F



08000F



# Inverse Universe

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



9E7489



CF8CAE



749E74



4F474B



8F0047

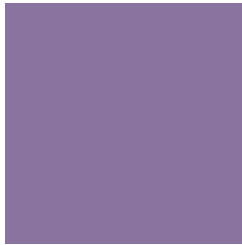


0F0008



# Previews

## White Background



This preview shows how the Hex color 89749E looks on a white background.

## Color Contrast Check

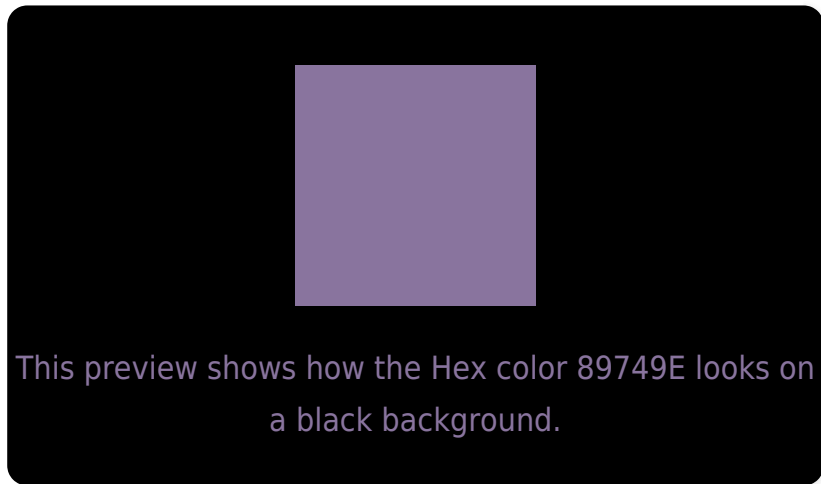
Large Text (above 18pt) WCAG AA ✓ Pass

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

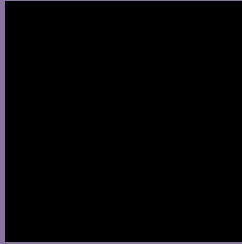
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 89749E Background



This preview shows how black text looks on a background with the Hex color 89749E.



This preview shows how white text looks on a background with the Hex color 89749E.

# 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**  
89749E

**Protanopia**  
727BA3

**Deuteranopia**  
787A9D



**Tritanopia**  
857983

# Trichromacy



**Original Color**  
89749E

**Protanomaly**  
7A78A1

**Deuteranomaly**  
7E789D

**Tritanomaly**  
86778D

# Monochromacy



**Original Color**  
89749E

**Achromatopsia**  
7F7F7F

**Achromatomaly**  
837B8A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 89749E 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 #89749E looks like.

```
.text, #text, p{  
    color:#89749E  
}
```

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 #89749E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #89749E
}
```

## Border

The CSS property to change the border of an element to Hex 89749E is called "border". The border property can be set on classes, ids or directly on the HTML element.

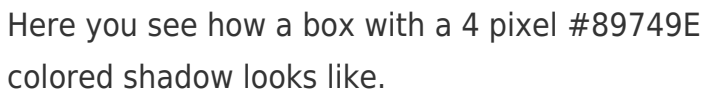
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#89749E }
```

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

```
.border{ border-color:#89749E }
```

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



Here you see how a box with a 4 pixel #89749E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #89749E; -webkit-box-shadow:4px 4px  
4px 4px #89749E; box-shadow:4px 4px 4px  
4px #89749E }
```

# Background

The CSS property to change the background color of an element to Hex 89749E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#89749E }
```

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

```
.background{ background-color:#89749E }
```

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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