

# Converting Colors

Hex(38449B)

Have a look what the booklet for  
Hex(38449B) contains.

<b>Hex(38449B)</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> .....	28

# Color

**Hex(38449B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38449B
RGB	56, 68, 155
RGB Percent	22%, 27%, 61%
CMY	0.7804, 0.7333, 0.3922
CMYK	0.64, 0.56, 0.00, 0.39
HSL	233°, 47%, 41%
HSV	233°, 64%, 61%
XYZ	9.6144, 7.3416, 31.9207
YIQ	74.3300, -35.0790, 24.5130

# Conversions

## Conversions Part 2

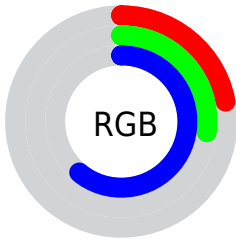
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	56, 67, 155
Decimal	3687579
CIE <sub>Lab</sub>	32.57, 23.61, -49.12
CIE <sub>LCh</sub>	33, 54.495, 295.670
Yxy	7.3416, 0.1967, 0.1502
Android (android.graphics.Color)	4281877659 (0xFF38449B)
YUV	74.3300, 39.7703, -16.0754
Hunter-Lab	27.0953, 15.9215, -50.8822

# Details

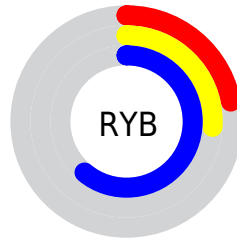
The Hex color **38449B** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **9B8F38**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **7174D2**, and **001A67** is the 20% darker color. If you saturate the color by 10%, you get **28369B**, and if you desaturate by 10%, it is **48529B**.

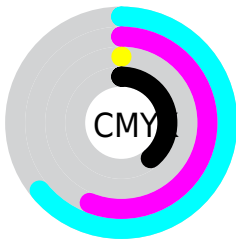
# Distribution



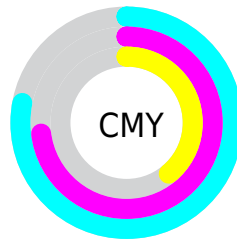
- Red (22%)
- Green (27%)
- Blue (61%)



- Red (22%)
- Yellow (26%)
- Blue (61%)



- Cyan (64%)
- Magenta (56%)
- Yellow (0%)
- Black (39%)



- Cyan (78%)
- Magenta (73%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38449B 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 38449B by changing the saturation by 10% instead.



■ 38449B

■ 38449B

FFFFFF

■ 152E81

■ 7174D2

■ 001A67

■ 8D8DEF

■ 00014E

■ A9A8FF

■ 000536

■ C6C3FF

■ 000220

■ E3DFFF

■ 000004

■ FFFCFF

■ 000000

■ 38449B

■ 38449B

■ 28369B

■ 48529B

■ 19299B

■ 575F9B

■ 091B9B

■ 676D9B

■ 00139B

■ 767A9B

■ 86889B

■ 95969B

■ A4A39B

■ B4B19B

■ C3BF9B

# Harmonies

## Analogous

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



0054A3



38449B



792C7E

# Triad

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



38449B



823500



005E45

# Complementary

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



38449B



9B8F38

# 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.



005C17



38449B



644900

# Square

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



38449B



941C2A



3A5500



005F71

# Rectangle

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



38449B



8E1A63



3A5500



005E36



# Sweetspot

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



38449B



A3A8C9



389B8E



4F5166



E6E6E6



666666



# Same Dimension

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



38449B



2E41C9



5C389B



45464D



00118C



00020D



# Inverse Universe

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



9B3844



C92E41



779B38



4D4546



8C0011

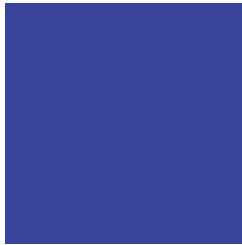


0D0002



# Previews

## White Background



This preview shows how the Hex color 38449B looks on a white background.

### Color Contrast Check

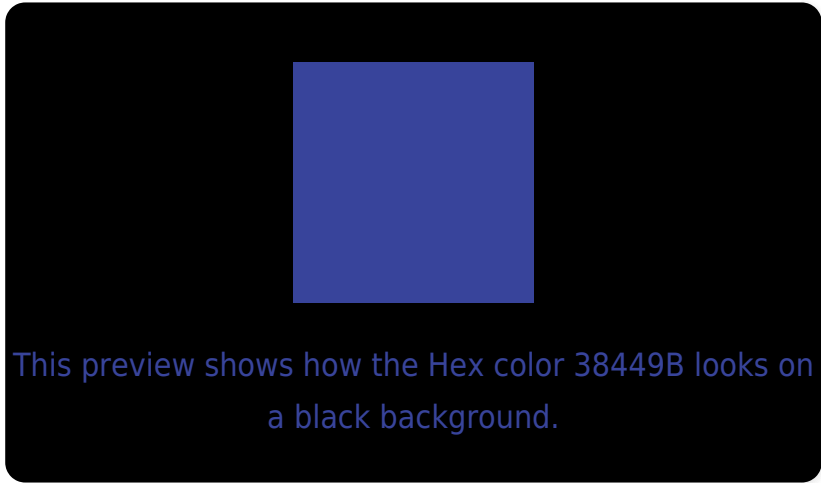
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

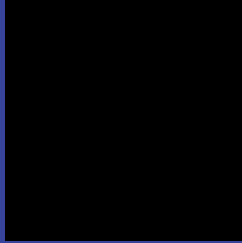
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 38449B Background



This preview shows how black text looks on a background with the Hex color 38449B.

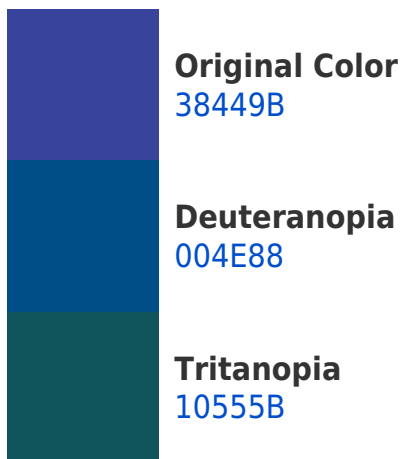


This preview shows how white text looks on a background with the Hex color 38449B.

# 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



# Trichromacy



**Original Color**  
38449B

**Deuteranomaly**  
144A8F

**Tritanomaly**  
1F4F72

# Monochromacy



**Original Color**  
38449B

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
434867

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38449B 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 #38449B looks like.

```
.text, #text, p{  
    color:#38449B  
}
```

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 #38449B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38449B
}
```

## Border

The CSS property to change the border of an element to Hex 38449B 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
#38449B }
```

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

```
.border{ border-color:#38449B }
```

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

Here you see how a box with a 4 pixel #38449B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38449B; -webkit-box-shadow:4px 4px  
4px 4px #38449B; box-shadow:4px 4px 4px  
4px #38449B }
```

# Background

The CSS property to change the background color of an element to Hex 38449B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38449B }
```

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

```
.background{ background-color:#38449B }
```

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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