

# Converting Colors

Hex(459B68)

Have a look what the booklet for  
Hex(459B68) contains.

<b>Hex(459B68)</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(459B68)**

# Conversions

## Conversions Part 1

Format	Color
Hex	459B68
RGB	69, 155, 104
RGB Percent	27%, 61%, 41%
CMY	0.7294, 0.3922, 0.5922
CMYK	0.55, 0.00, 0.33, 0.39
HSL	144°, 38%, 44%
HSV	144°, 55%, 61%
XYZ	16.6743, 25.7074, 17.1799
YIQ	123.4720, -34.8850, -34.0930

# Conversions

## Conversions Part 2

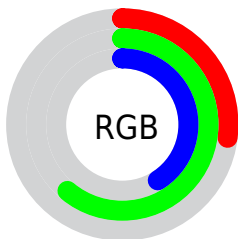
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	69, 130, 155
Decimal	4561768
CIE <sub>Lab</sub>	57.76, -38.02, 19.10
CIE <sub>LCh</sub>	58, 42.548, 153.332
Y <sub>xy</sub>	25.7074, 0.2800, 0.4316
Android (android.graphics.Color)	4282751848 (0xFF459B68)
Y <sub>UV</sub>	123.4720, -9.5997, -47.7719
Hunter-Lab	50.7024, -30.0268, 15.4020

# Details

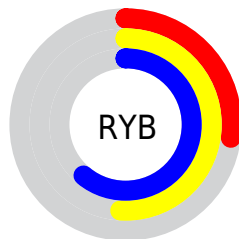
The Hex color **459B68** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9B4578**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **7CD29B**, and **006738** is the 20% darker color. If you saturate the color by 10%, you get **369B5F**, and if you desaturate by 10%, it is **559B71**.

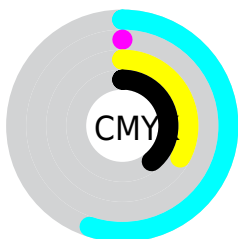
# Distribution



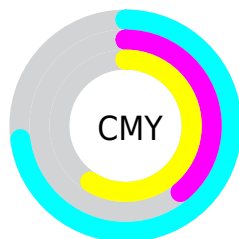
- Red (27%)
- Green (61%)
- Blue (41%)



- Red (27%)
- Yellow (51%)
- Blue (61%)



- Cyan (55%)
- Magenta (0%)
- Yellow (33%)
- Black (39%)



- Cyan (73%)
- Magenta (39%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 459B68 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 459B68 by changing the saturation by 10% instead.



 459B68

 459B68

FFFFFF

 288150

 7CD29B

 006738

 97EFB6

 004E22

 B4FFD2

 00360D

 D0FFEE

 002200

 EDFFFF

 000000

 459B68

 459B68

 369B5F

 559B71

 269B56

 649B7A

■ 169B4C

■ 739B84

■ 079B43

■ 839B8D

■ 009B3F

■ 939B96

■ A29B9F

■ B19BA8

■ C19BB2

■ D19BBB

# Harmonies

## Analogous

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



76944A



459B68



009E8E

# Triad

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



459B68



528DD5



CE7064

# Complementary

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



459B68



9B4578

# 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.



CF6B88



459B68



937FC9

# Square

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



459B68



0097CD



BC72AD



BC7D48

# Rectangle

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



459B68



009DA7



BC72AD



D16E6F



# Sweetspot

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



459B68



A7C9B5



799B45



52665A



E6E6E6



666666



# Same Dimension

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



459B68



42C979



459B92



454D48



008C39



000D05



# Inverse Universe

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



9B4578



C94293



9B454E



4D4549



8C0053



0D0008



# Previews

## White Background



This preview shows how the Hex color 459B68 looks on a white background.

## Color Contrast Check

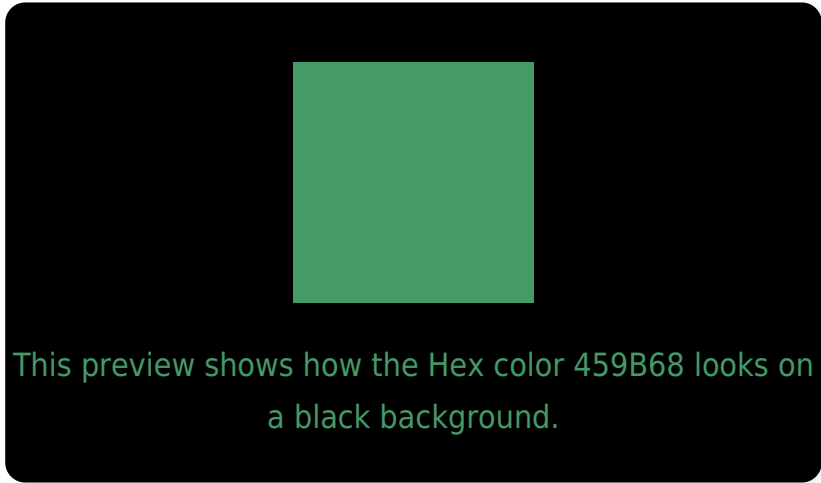
Large Text (above 18pt) WCAG AA ✓ Pass

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 459B68 Background



This preview shows how black text looks on a background with the Hex color 459B68.



This preview shows how white text looks on a background with the Hex color 459B68.

# 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**  
5594A0

# Trichromacy



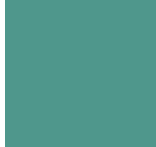
**Original Color**  
459B68



**Protanomaly**  
789064



**Deuteranomaly**  
808C6B



**Tritanomaly**  
4F978C

# Monochromacy



**Original Color**  
459B68



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
678774

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 459B68 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 #459B68 looks like.

```
.text, #text, p{  
    color:#459B68  
}
```

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 #459B68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #459B68
}
```

## Border

The CSS property to change the border of an element to Hex 459B68 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
#459B68 }
```

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

```
.border{ border-color:#459B68 }
```

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

Here you see how a box with a 4 pixel #459B68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #459B68; -webkit-box-shadow:4px 4px  
4px 4px #459B68; box-shadow:4px 4px 4px  
4px #459B68 }
```

# Background

The CSS property to change the background color of an element to Hex 459B68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#459B68 }
```

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

```
.background{ background-color:#459B68 }
```

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