

# Converting Colors

Hex(68735A)

Have a look what the booklet for  
Hex(68735A) contains.

<b>Hex(68735A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(68735A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68735A
RGB	104, 115, 90
RGB Percent	41%, 45%, 35%
CMY	0.5922, 0.5490, 0.6471
CMYK	0.10, 0.00, 0.22, 0.55
HSL	86°, 12%, 40%
HSV	86°, 22%, 45%
XYZ	13.6851, 15.9427, 12.0288
YIQ	108.8610, 1.4690, -10.1070

# Conversions

## Conversions Part 2

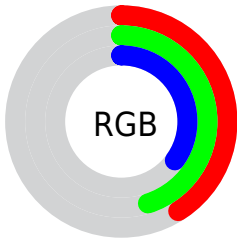
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 115, 101
Decimal	6845274
CIE <sub>Lab</sub>	46.90, -9.05, 12.48
CIE <sub>LCh</sub>	47, 15.419, 125.958
Yxy	15.9427, 0.3285, 0.3827
Android (android.graphics.Color)	4285035354 (0xFF68735A)
YUV	108.8610, -9.2985, -4.2631
Hunter-Lab	39.9283, -8.6951, 10.0881

# Details

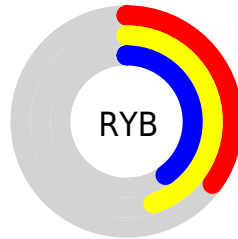
The Hex color **68735A** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **655A73**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **9BA78C**, and **39432C** is the 20% darker color. If you saturate the color by 10%, you get **63734F**, and if you desaturate by 10%, it is **6D7366**.

# Distribution



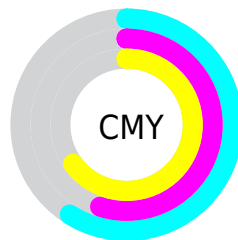
- Red (41%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (40%)



- Cyan (10%)
- Magenta (0%)
- Yellow (22%)
- Black (55%)



- Cyan (59%)
- Magenta (55%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68735A 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 68735A by changing the saturation by 10% instead.



68735A

68735A

FFFFFF

505A42

9BA78C

39432C

B6C2A7

232D17

D2DEC2

0F1900

EEFBDE

000000

FFFFFFA

68735A

68735A

63734F

6D7366

5E7343

727371

■ 597338

■ 77737D

■ 54732C

■ 7C7388

■ 4F7321

■ 817393

■ 4A7315

■ 86739F

■ 457309

■ 8B73AB

■ 407300

■ 9073B6

■ 9673C2

# Harmonies

## Analogous

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



766F55



68735A



597664

# Triad

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



68735A



547386



89666D

# Complementary

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



68735A



655A73

# 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.



82677A



68735A



636F89

# Square

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



68735A



4B767E



756B84



896761

# Rectangle

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



68735A



51776D



756B84



886671



# Sweetspot

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



68735A



92968C



73655A



4A4D46



CCCCCC



4D4D4D



# Same Dimension

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



68735A



85966F



5C735A



383B35



457A00



8CFA00



# Inverse Universe

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



655A73



816F96



715A73



37353B



36007A



6E00FA



# Previews

## White Background



This preview shows how the Hex color 68735A looks on a white background.

## Color Contrast Check

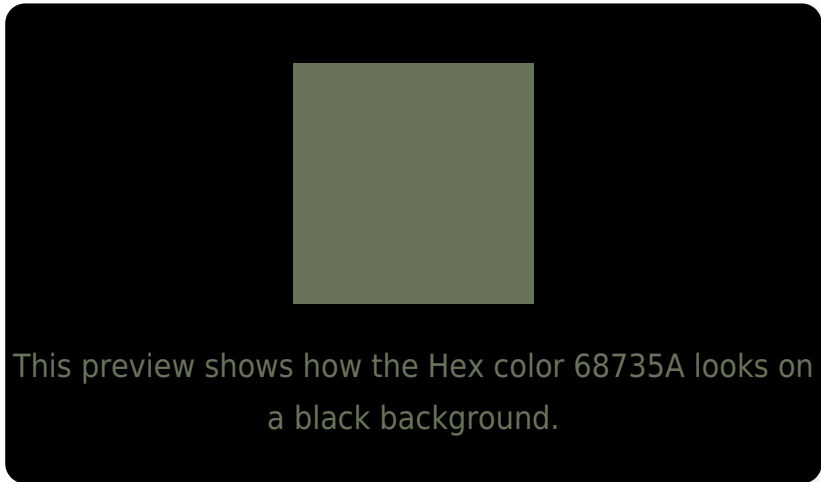
Large Text (above 18pt) WCAG AA ✓ Pass

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

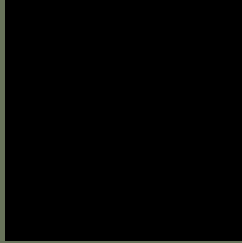
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 68735A Background



This preview shows how black text looks on a background with the Hex color 68735A.



This preview shows how white text looks on a background with the Hex color 68735A.

# 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**  
68735A

**Protanopia**  
766F58

**Deuteranopia**  
806B5C



**Tritanopia**  
6C6F78

# Trichromacy



**Original Color**  
68735A

**Protanomaly**  
717059

**Deuteranomaly**  
776E5B

**Tritanomaly**  
6B706D

# Monochromacy



**Original Color**  
68735A

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
6B6F66

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68735A 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 #68735A looks like.

```
.text, #text, p{  
    color:#68735A  
}
```

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 #68735A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68735A
}
```

## Border

The CSS property to change the border of an element to Hex 68735A 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".

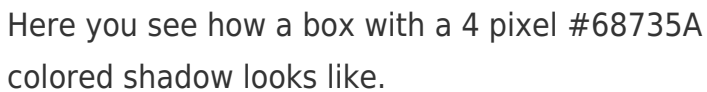
```
.border, #border, table{ border:4px solid
#68735A }
```

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

```
.border{ border-color:#68735A }
```

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

Here you see how a box with a 4 pixel #68735A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68735A; -webkit-box-shadow:4px 4px  
4px 4px #68735A; box-shadow:4px 4px 4px  
4px #68735A }
```

# Background

The CSS property to change the background color of an element to Hex 68735A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68735A }
```

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

```
.background{ background-color:#68735A }
```

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