

Converting Colors

Hex(45733A)

Have a look what the booklet for
Hex(45733A) contains.

Hex(45733A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(45733A)

Conversions

Conversions Part 1

Format	Color
Hex	45733A
RGB	69, 115, 58
RGB Percent	27%, 45%, 23%
CMY	0.7294, 0.5490, 0.7725
CMYK	0.40, 0.00, 0.50, 0.55
HSL	108°, 33%, 34%
HSV	108°, 50%, 45%
XYZ	9.3487, 13.8322, 6.1801
YIQ	94.7480, -9.1190, -27.4790

Conversions

Conversions Part 2

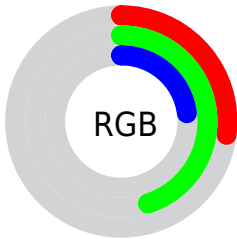
Format	Color
RYB	58, 115, 104
Decimal	4551482
CIELab	43.99, -27.78, 26.57
CIElCh	44, 38.442, 136.274
Yxy	13.8322, 0.3184, 0.4711
Android (android.graphics.Color)	4282741562 (0xFF45733A)
YUV	94.7480, -18.1168, -22.5810
Hunter-Lab	37.1916, -20.2166, 16.1819

Details

The Hex color **45733A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **683A73**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **78A76A**, and **13420D** is the 20% darker color. If you saturate the color by 10%, you get **3C732F**, and if you desaturate by 10%, it is **4E7346**.

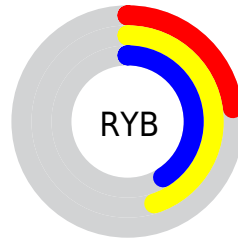
Distribution



Red (27%)

Green (45%)

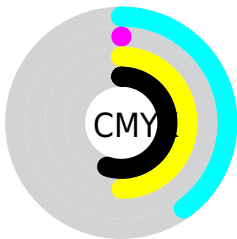
Blue (23%)



Red (23%)

Yellow (45%)

Blue (41%)

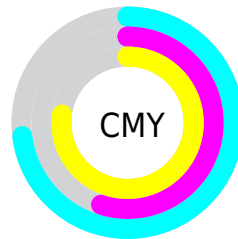


Cyan (40%)

Magenta (0%)

Yellow (50%)

Black (55%)



Cyan (73%)

Magenta (55%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45733A 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 45733A by changing the saturation by 10% instead.



45733A



45733A

FFFFFF



2C5A23



78A76A



13420D



92C384



002C00



ADDF9E



001600



C9FBB9



000000



E6FFD5



FFFFF2



45733A



45733A



3C732F



4E7346

■ 327323

■ 587351

■ 297318

■ 61735D

■ 20730C

■ 6A7368

■ 177301

■ 737374

■ 167300

■ 7D737F

■ 86738B

■ 8F7396

■ 9973A2

Harmonies

Analogous

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



696C27



45733A



007758

Triad

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



45733A



0070A6



A44D58

Complementary

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



45733A



683A73

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.



9B4E78



45733A



5165A5

Square

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



45733A



007695



805994



9B553B

Rectangle

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



45733A



00786E



805994



A34C62

Sweetspot

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



45733A



849680



73683A



414D3F



CCCCCC



4D4D4D

Same Dimension

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



45733A



4F963E



3A734B



363B35



187A00



30FA00

Inverse Universe

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



683A73



853E96



733A62



3A353B



63007A



CA00FA

Previews

White Background



This preview shows how the Hex color 45733A looks on a white background.

Color Contrast Check

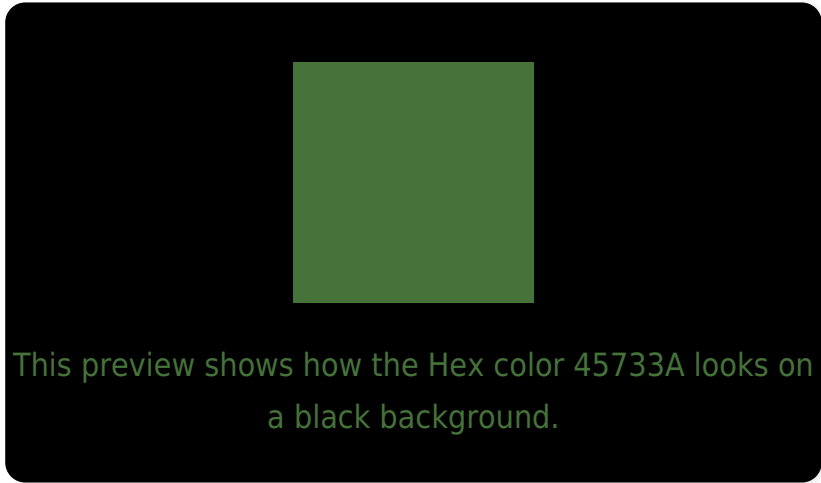
Large Text (above 18pt) WCAG AA ✓ Pass

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 45733A Background



This preview shows how black text looks on a background with the Hex color 45733A.



This preview shows how white text looks on a background with the Hex color 45733A.

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
45733A

Protanopia
726836

Deuteranopia
7E633E



Tritanopia
506C75

Trichromacy



Original Color
45733A

Protanomaly
626C37

Deuteranomaly
69693D

Tritanomaly
4C6F60

Monochromacy



Original Color
45733A

Achromatopsia
5F5F5F

Achromatomaly
566652

CSS Examples

Text

The CSS property to change the color of the text to Hex 45733A 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 #45733A looks like.

```
.text, #text, p{  
    color:#45733A  
}
```

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 #45733A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45733A
}
```

Border

The CSS property to change the border of an element to Hex 45733A 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
#45733A }
```

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

```
.border{ border-color:#45733A }
```

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

Here you see how a box with a 4 pixel #45733A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45733A; -webkit-box-shadow:4px 4px  
4px 4px #45733A; box-shadow:4px 4px 4px  
4px #45733A }
```

Background

The CSS property to change the background color of an element to Hex 45733A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45733A }
```

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

```
.background{ background-color:#45733A }
```

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