

# Converting Colors

Hex(46633A)

Have a look what the booklet for  
Hex(46633A) contains.

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# Color

Hex(46633A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46633A
RGB	70, 99, 58
RGB Percent	27%, 39%, 23%
CMY	0.7255, 0.6118, 0.7725
CMYK	0.29, 0.00, 0.41, 0.61
HSL	102°, 26%, 31%
HSV	102°, 41%, 39%
XYZ	7.7513, 10.5313, 5.6272
YIQ	85.6550, -4.1230, -18.8990

# Conversions

## Conversions Part 2

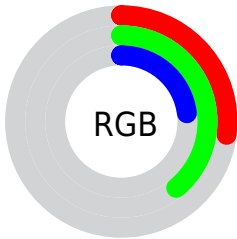
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 99, 87
Decimal	4612922
CIELab	38.78, -19.29, 19.95
CIELCh	39, 27.751, 134.036
Yxy	10.5313, 0.3242, 0.4405
Android (android.graphics.Color)	4282803002 (0xFF46633A)
YUV	85.6550, -13.6339, -13.7294
Hunter-Lab	32.4519, -14.1549, 12.4354

# Details

The Hex color **46633A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **573A63**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **77966A**, and **18340F** is the 20% darker color. If you saturate the color by 10%, you get **3F6330**, and if you desaturate by 10%, it is **4D6344**.

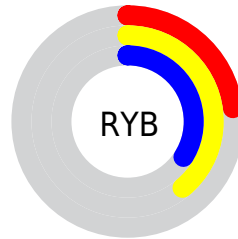
# Distribution



Red (27%)

Green (39%)

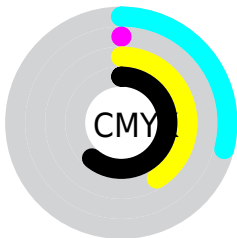
Blue (23%)



Red (23%)

Yellow (39%)

Blue (34%)

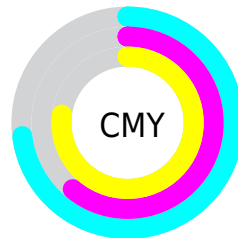


Cyan (29%)

Magenta (0%)

Yellow (41%)

Black (61%)



Cyan (73%)

Magenta (61%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46633A 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 46633A by changing the saturation by 10% instead.





46633A



46633A

FFFFFF



2F4B24



77966A



18340F



92B183



001F00



ACCC9D



000000



C8E8B8



E4FFD4



FFFFF0



46633A



46633A



3F6330



4D6344

■ 386326

■ 54634E

■ 31631C

■ 5B6358

■ 2A6312

■ 626362

■ 236309

■ 69636C

■ 1D6300

■ 706375

■ 77637F

■ 7E6389

■ 856393

# Harmonies

## Analogous

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



5F5D2F



46633A



27664E

# Triad

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



46633A



1C6186



874951

# Complementary

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



46633A



573A63

# 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.



7F4B68



46633A



4B5A87

# Square

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



46633A



00657A



6B517C



824E3D

# Rectangle

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



46633A



02675E



6B517C



864959



# Sweetspot

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



46633A



758070



63573A



394037



BFBFBF



404040



# Same Dimension

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



46633A



528040



3A6342



2D302C



217000



46F000



# Inverse Universe

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



573A63



6D4080



633A5B



2F2C30



4F0070

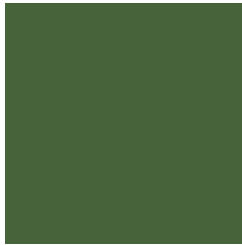


AA00F0



# Previews

## White Background



This preview shows how the Hex color 46633A looks on a white background.

## Color Contrast Check

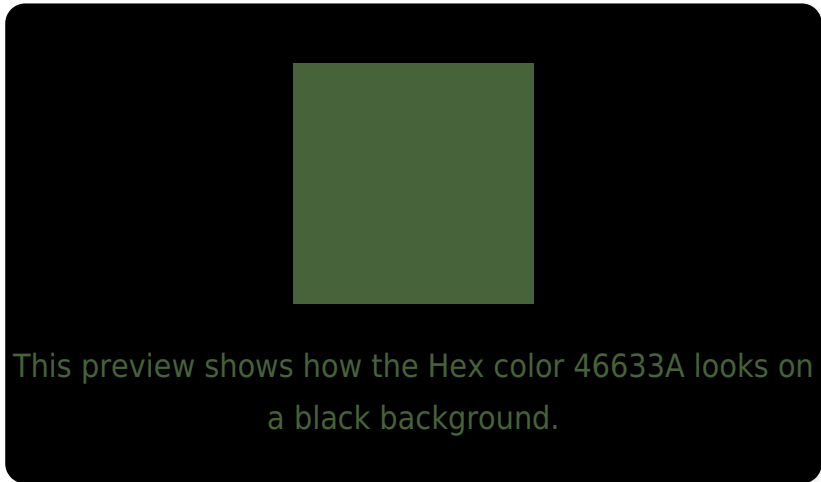
Large Text (above 18pt) WCAG AA ✓ Pass

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

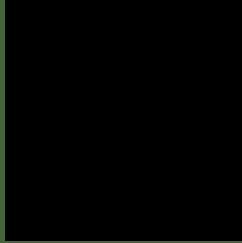
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46633A Background



This preview shows how black text looks on a background with the Hex color 46633A.



This preview shows how white text looks on a background with the Hex color 46633A.

# 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](#).

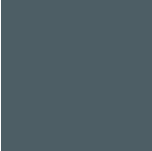
## Dichromacy



**Original Color**  
46633A

**Protanopia**  
645B37

**Deuteranopia**  
6D573D



**Tritanopia**  
4D5E65

# Trichromacy



**Original Color**  
46633A

**Protanomaly**  
595E38

**Deuteranomaly**  
5F5B3C

**Tritanomaly**  
4A6055

# Monochromacy



**Original Color**  
46633A

**Achromatopsia**  
565656

**Achromatomaly**  
505B4C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46633A 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 #46633A looks like.

```
.text, #text, p{  
    color:#46633A  
}
```

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 #46633A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46633A
}
```

## Border

The CSS property to change the border of an element to Hex 46633A 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
#46633A }
```

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

```
.border{ border-color:#46633A }
```

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

Here you see how a box with a 4 pixel #46633A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46633A; -webkit-box-shadow:4px 4px  
4px 4px #46633A; box-shadow:4px 4px 4px  
4px #46633A }
```

# Background

The CSS property to change the background color of an element to Hex 46633A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46633A }
```

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

```
.background{ background-color:#46633A }
```

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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