

# Converting Colors

Hex(465C46)

Have a look what the booklet for  
Hex(465C46) contains.

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# Color

Hex(465C46)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	465C46
RGB	70, 92, 70
RGB Percent	27%, 36%, 27%
CMY	0.7255, 0.6392, 0.7255
CMYK	0.24, 0.00, 0.24, 0.64
HSL	120°, 14%, 32%
HSV	120°, 24%, 36%
XYZ	7.4584, 9.3986, 7.2154
YIQ	82.9140, -6.0500, -11.5060

# Conversions

## Conversions Part 2

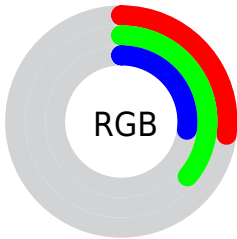
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 92, 92
Decimal	4611142
CIELab	36.74, -13.27, 10.00
CIElCh	37, 16.614, 143.000
Yxy	9.3986, 0.3098, 0.3904
Android (android.graphics.Color)	4282801222 (0xFF465C46)
YUV	82.9140, -6.3666, -11.3256
Hunter-Lab	30.6571, -10.2235, 7.5057

# Details

The Hex color **465C46** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5C465C**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **778E76**, and **1A2E1B** is the 20% darker color. If you saturate the color by 10%, you get **3D5C3D**, and if you desaturate by 10%, it is **4F5C4F**.

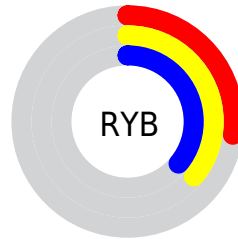
# Distribution



Red (27%)

Green (36%)

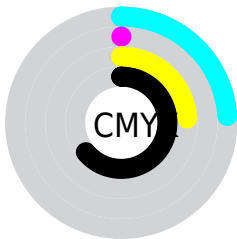
Blue (27%)



Red (27%)

Yellow (36%)

Blue (36%)

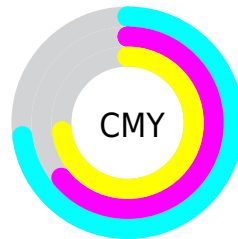


Cyan (24%)

Magenta (0%)

Yellow (24%)

Black (64%)



Cyan (73%)

Magenta (64%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 465C46 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 465C46 by changing the saturation by 10% instead.



 465C46

 465C46


FFFFFF

 2F4430

 778E76

 1A2E1B

 91A990

 011A00

 ABC4AB

 000000

 C7E0C6

 E3FDE2

 465C46

 465C46

 3D5C3D

 4F5C4F

 345C34

 585C58

 2A5C2A

 625C62

 215C21

 6B5C6B

 185C18

 745C74

 0F5C0F

 7D5C7D

 065C06

 865C86

 005C00

 905C90

 995C99

# Harmonies

## Analogous

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



55593E



465C46



375E53

# Triad

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



465C46



415971



714D4D

# Complementary

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



465C46



5C465C

# 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.



6F4D5A



465C46



54546F

# Square

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



465C46



325C6B



655067



6D5042

# Rectangle

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



465C46



305E5C



655067



714D51



# Sweetspot

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



465C46



6F786F



5C5C46



383D38



BDBDBD



3D3D3D



# Same Dimension

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



465C46



557855



465C51



292E29



006E00



00ED00



# Inverse Universe

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



5C465C



785578



5C4651



2E292E



6E006E

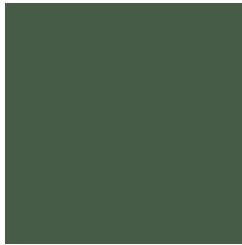


ED00ED



# Previews

## White Background



This preview shows how the Hex color 465C46 looks on a white background.

## Color Contrast Check

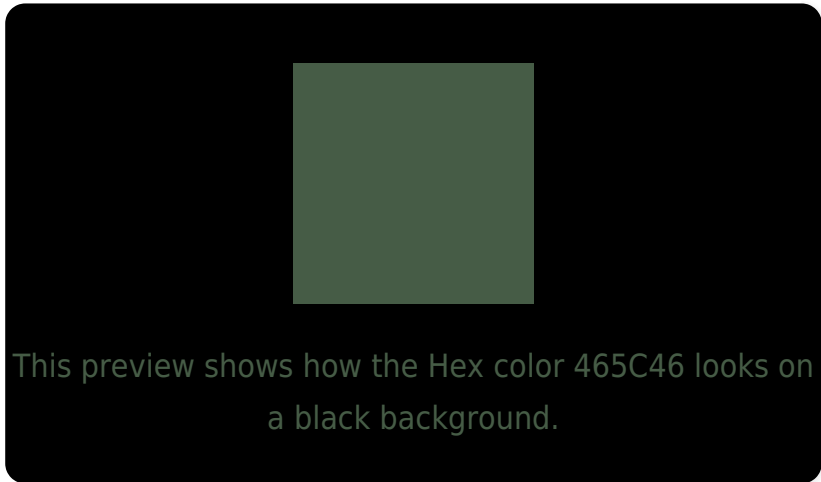
Large Text (above 18pt) WCAG AA ✓ Pass

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

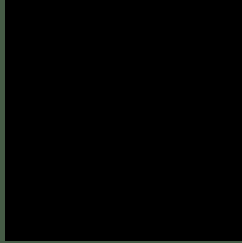
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 465C46 Background



This preview shows how black text looks on a background with the Hex color 465C46.



This preview shows how white text looks on a background with the Hex color 465C46.

# 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](#).

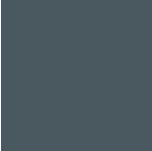
## Dichromacy



**Original Color**  
465C46

**Protanopia**  
5C5643

**Deuteranopia**  
645348



**Tritanopia**  
4A5960

# Trichromacy



**Original Color**  
465C46

**Protanomaly**  
545844

**Deuteranomaly**  
595647

**Tritanomaly**  
495A57

# Monochromacy



**Original Color**  
465C46

**Achromatopsia**  
535353

**Achromatomaly**  
4E564E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 465C46 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 #465C46 looks like.

```
.text, #text, p{  
    color:#465C46  
}
```

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 #465C46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #465C46
}
```

## Border

The CSS property to change the border of an element to Hex 465C46 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
#465C46 }
```

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

```
.border{ border-color:#465C46 }
```

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

Here you see how a box with a 4 pixel #465C46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #465C46; -webkit-box-shadow:4px 4px  
4px 4px #465C46; box-shadow:4px 4px 4px  
4px #465C46 }
```

# Background

The CSS property to change the background color of an element to Hex 465C46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#465C46 }
```

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

```
.background{ background-color:#465C46 }
```

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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