

# Converting Colors

Hex(46756C)

Have a look what the booklet for  
Hex(46756C) contains.

<b>Hex(46756C)</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(46756C)

# Conversions

## Conversions Part 1

Format	Color
Hex	46756C
RGB	70, 117, 108
RGB Percent	27%, 46%, 42%
CMY	0.7255, 0.5412, 0.5765
CMYK	0.40, 0.00, 0.08, 0.54
HSL	169°, 25%, 37%
HSV	169°, 40%, 46%
XYZ	11.5939, 15.1074, 16.4923
YIQ	101.9210, -25.1230, -12.7630

# Conversions

## Conversions Part 2

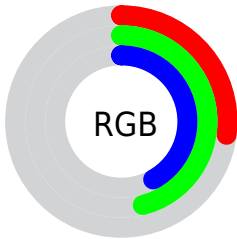
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 96, 117
Decimal	4617580
CIELab	45.78, -18.33, -0.09
CIElCh	46, 18.327, 180.290
Yxy	15.1074, 0.2684, 0.3498
Android (android.graphics.Color)	4282807660 (0xFF46756C)
YUV	101.9210, 2.9969, -27.9947
Hunter-Lab	38.8682, -14.7753, 2.0502

# Details

The Hex color **46756C** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **75464F**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **79A99F**, and **14443D** is the 20% darker color. If you saturate the color by 10%, you get **3A756A**, and if you desaturate by 10%, it is **52756E**.

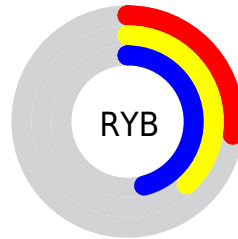
# Distribution



Red (27%)

Green (46%)

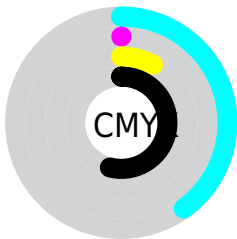
Blue (42%)



Red (27%)

Yellow (38%)

Blue (46%)

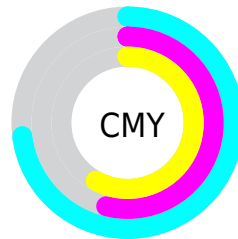


Cyan (40%)

Magenta (0%)

Yellow (8%)

Black (54%)



Cyan (73%)

Magenta (54%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46756C 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 46756C by changing the saturation by 10% instead.



 46756C

 46756C

FFFFFF

 2D5C54

 79A99F

 14443D

 93C5BA

 002E27

 AEE1D6

 001B12

 CAFDF2

 000000

 E7FFFF

 46756C

 46756C

 3A756A

 52756E

 2F7568

 5D7570

■ 237565

■ 697573

■ 177563

■ 757575

■ 0C7561

■ 817577

■ 00755F

■ 8C7579

■ 98757C

■ A4757E

■ AF7580

# Harmonies

## Analogous

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



55735D



46756C



3F757B

# Triad

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



46756C



6F6887



846652

# Complementary

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



46756C



75464F

# 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.



8B625E



46756C



80647C

# Square

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



46756C



5A6E8B



8A616D



776B4E

# Rectangle

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



46756C



427383



8A616D



876555



# Sweetspot

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



46756C



879995



4F7546



424D4A



CCCCCC



4D4D4D



# Same Dimension

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



46756C



50998B



466775



353B3A



007A63



00FACA



# Inverse Universe

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



75464F



99505E



755446



3B3536



7A0017



FA0030



# Previews

## White Background



This preview shows how the Hex color 46756C looks on a white background.

## Color Contrast Check

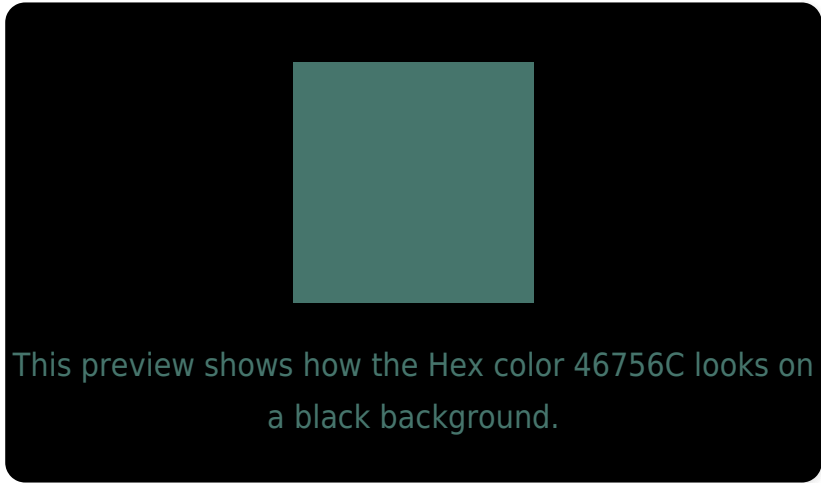
Large Text (above 18pt) WCAG AA ✓ Pass

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

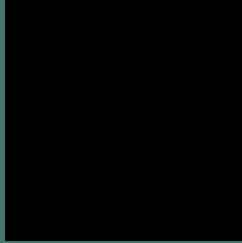
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46756C Background



This preview shows how black text looks on a background with the Hex color 46756C.

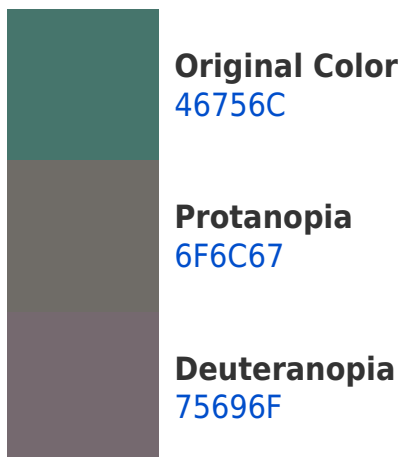



This preview shows how white text looks on a background with the Hex color 46756C.

# 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](#).

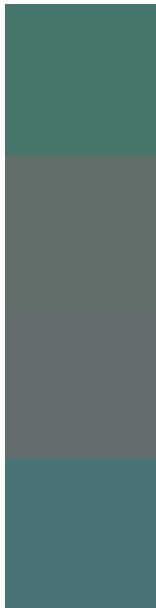
## Dichromacy





**Tritanopia**  
4A737C

# Trichromacy



**Original Color**  
46756C

**Protanomaly**  
606F69

**Deuteranomaly**  
646D6E

**Tritanomaly**  
497476

# Monochromacy



**Original Color**  
46756C

**Achromatopsia**  
666666

**Achromatomaly**  
5A6B68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46756C 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 #46756C looks like.

```
.text, #text, p{  
    color:#46756C  
}
```

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 #46756C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46756C
}
```

## Border

The CSS property to change the border of an element to Hex 46756C 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
#46756C }
```

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

```
.border{ border-color:#46756C }
```

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

Here you see how a box with a 4 pixel #46756C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46756C; -webkit-box-shadow:4px 4px  
4px 4px #46756C; box-shadow:4px 4px 4px  
4px #46756C }
```

# Background

The CSS property to change the background color of an element to Hex 46756C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46756C }
```

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

```
.background{ background-color:#46756C }
```

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