

# Converting Colors

Hex(46784B)

Have a look what the booklet for  
Hex(46784B) contains.

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# Color

**Hex(46784B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46784B
RGB	70, 120, 75
RGB Percent	27%, 47%, 29%
CMY	0.7255, 0.5294, 0.7059
CMYK	0.42, 0.00, 0.37, 0.53
HSL	126°, 26%, 37%
HSV	126°, 42%, 47%
XYZ	10.5123, 15.2430, 9.0448
YIQ	99.9200, -15.3550, -24.5950

# Conversions

## Conversions Part 2

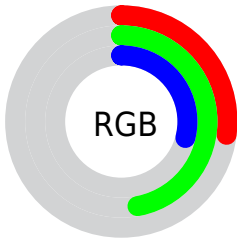
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 115, 120
Decimal	4618315
CIELab	45.97, -27.09, 19.57
CIElCh	46, 33.416, 144.149
Yxy	15.2430, 0.3021, 0.4380
Android (android.graphics.Color)	4282808395 (0xFF46784B)
YUV	99.9200, -12.2856, -26.2398
Hunter-Lab	39.0423, -20.2624, 13.5942

# Details

The Hex color **46784B** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **784673**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **79AD7C**, and **14471E** is the 20% darker color. If you saturate the color by 10%, you get **3A7840**, and if you desaturate by 10%, it is **527856**.

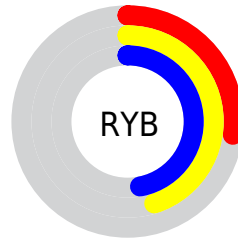
# Distribution



Red (27%)

Green (47%)

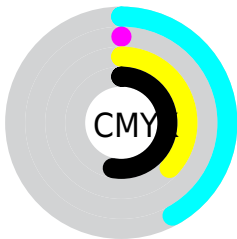
Blue (29%)



Red (27%)

Yellow (45%)

Blue (47%)

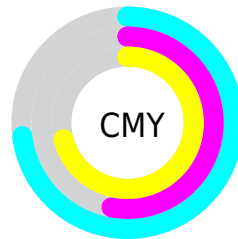


Cyan (42%)

Magenta (0%)

Yellow (37%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46784B 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 46784B by changing the saturation by 10% instead.





46784B



46784B

FFFFFF



2D5F34



79AD7C



14471E



93C896



003007



AEE4B1



001D00



CAFFCD



000000



E7FFE9



46784B



46784B



3A7840



527856



2E7835



5E7861

■ 22782B

■ 6A786B

■ 167820

■ 767876

■ 0A7815

■ 827881

■ 00780C

■ 8E788C

■ 9A7897

■ A678A1

■ B278AC

# Harmonies

## Analogous

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



677238



46784B



117B66

# Triad

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



46784B



3171A4



A25757

# Complementary

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



46784B



784673

# 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.



9E5674



46784B



6768A0

# Square

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



46784B



00789A



8A5D8E



975F40

# Rectangle

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



46784B



007B7A



8A5D8E



A25661



# Sweetspot

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



46784B



879C89



737846



424F44



CFCFCF



4F4F4F



# Same Dimension

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



46784B



4E9C56



467864



373D38



007D0C



00FC19



# Inverse Universe

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



784673



9C4E94



78465A



3D373D



7D0070



FC00E3



# Previews

## White Background



This preview shows how the Hex color 46784B looks on a white background.

## Color Contrast Check

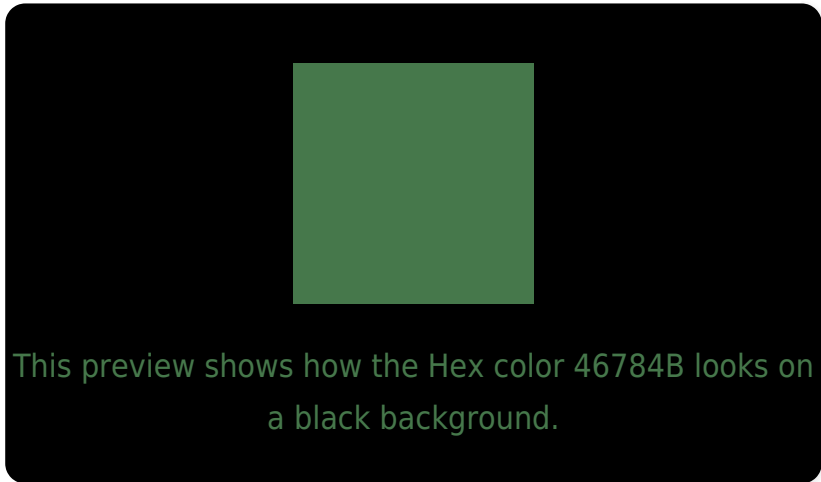
Large Text (above 18pt) WCAG AA ✓ Pass

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 46784B Background



This preview shows how black text looks on a background with the Hex color 46784B.

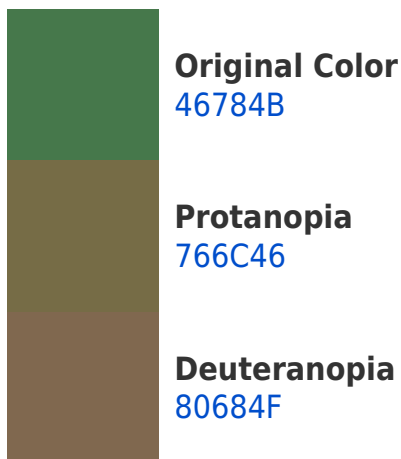


This preview shows how white text looks on a background with the Hex color 46784B.

# 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**  
50727B

# Trichromacy



**Original Color**  
46784B

**Protanomaly**  
657048

**Deuteranomaly**  
6B6E4E

**Tritanomaly**  
4C746A

# Monochromacy



**Original Color**  
46784B

**Achromatopsia**  
646464

**Achromatomaly**  
596B5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46784B 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 #46784B looks like.

```
.text, #text, p{  
    color:#46784B  
}
```

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 #46784B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46784B  
}
```

## Border

The CSS property to change the border of an element to Hex 46784B 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  
#46784B }
```

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

```
.border{ border-color:#46784B }
```

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

Here you see how a box with a 4 pixel #46784B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46784B; -webkit-box-shadow:4px 4px  
4px 4px #46784B; box-shadow:4px 4px 4px  
4px #46784B }
```

# Background

The CSS property to change the background color of an element to Hex 46784B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46784B }
```

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

```
.background{ background-color:#46784B }
```

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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