

# Converting Colors

Hex(47785A)

Have a look what the booklet for  
Hex(47785A) contains.

<b>Hex(47785A)</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(47785A)

# Conversions

## Conversions Part 1

Format	Color
Hex	47785A
RGB	71, 120, 90
RGB Percent	28%, 47%, 35%
CMY	0.7216, 0.5294, 0.6471
CMYK	0.41, 0.00, 0.25, 0.53
HSL	143°, 26%, 37%
HSV	143°, 41%, 47%
XYZ	11.1605, 15.5107, 12.0785
YIQ	101.9290, -19.5740, -19.7180

# Conversions

## Conversions Part 2

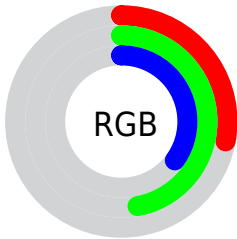
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 106, 120
Decimal	4683866
CIE <sub>Lab</sub>	46.33, -23.80, 11.36
CIE <sub>LCh</sub>	46, 26.377, 154.488
Yxy	15.5107, 0.2880, 0.4003
Android (android.graphics.Color)	4282873946 (0xFF47785A)
YUV	101.9290, -5.8810, -27.1247
Hunter-Lab	39.3837, -18.3384, 9.3850

# Details

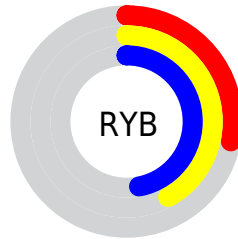
The Hex color **47785A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **784765**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **7AAD8C**, and **16472C** is the 20% darker color. If you saturate the color by 10%, you get **3B7853**, and if you desaturate by 10%, it is **537861**.

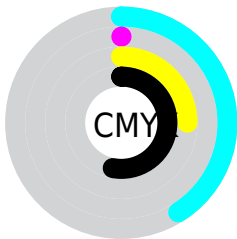
# Distribution



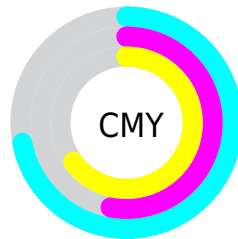
- Red (28%)
- Green (47%)
- Blue (35%)



- Red (28%)
- Yellow (42%)
- Blue (47%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (53%)



- Cyan (72%)
- Magenta (53%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47785A 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 47785A by changing the saturation by 10% instead.





47785A



47785A

FFFFFF



2F5F42



7AAD8C



16472C



94C8A7



003017



AFE4C2



001D00



CBFFDE



000000



E7FFFA



47785A



47785A



3B7853



537861



2F784B



5F7869

■ 237844

■ 6B7870

■ 17783D

■ 777877

■ 0B7835

■ 83787F

■ 00782F

■ 8F7886

■ 9B788D

■ A77895

■ B3789C

# Harmonies

## Analogous

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



627449



47785A



2A7A70

# Triad

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



47785A



546F9A



975F56

# Complementary

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



47785A



784765

# 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.



985D6B



47785A



756792

# Square

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



47785A



2E7595



8C6081



8C6646

# Rectangle

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



47785A



19797F



8C6081



995E5D



# Sweetspot

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



47785A



899C90



657847



444F48



CFCFCF



4F4F4F



# Same Dimension

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



47785A



4F9C6D



477872



373D39



007D30



00FC62



# Inverse Universe

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



784765



9C4F7E



78474D



3D373B



7D004C

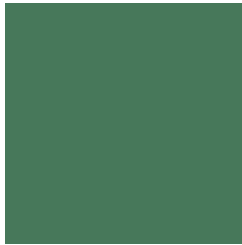


FC009B



# Previews

## White Background



This preview shows how the Hex color 47785A looks on a white background.

## Color Contrast Check

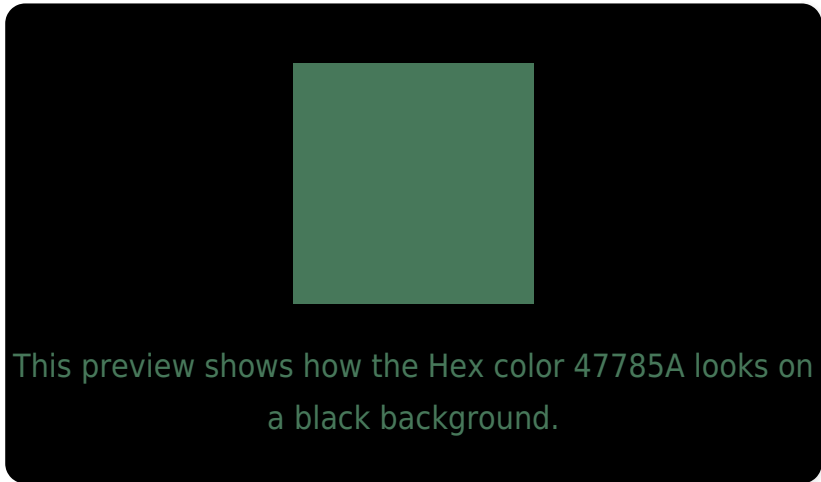
Large Text (above 18pt) WCAG AA ✓ Pass

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

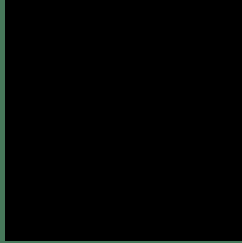
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 47785A Background



This preview shows how black text looks on a background with the Hex color 47785A.

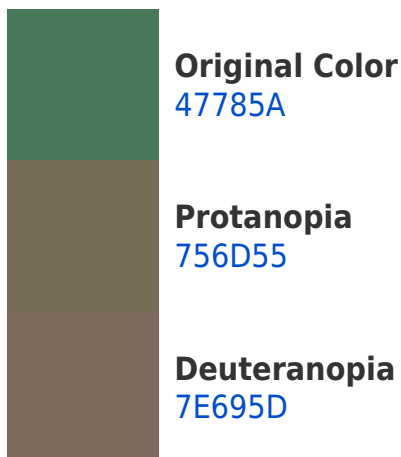


This preview shows how white text looks on a background with the Hex color 47785A.

# 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](#).

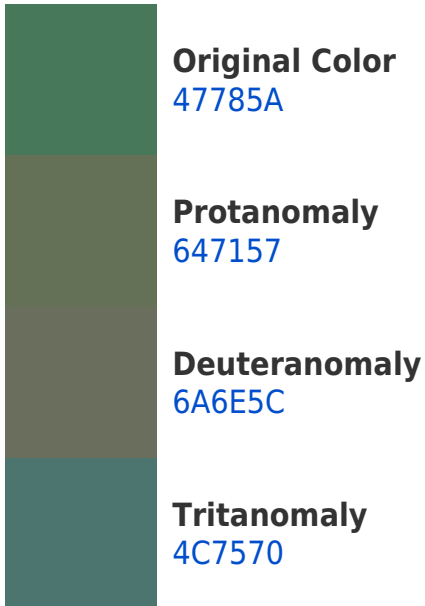
## Dichromacy



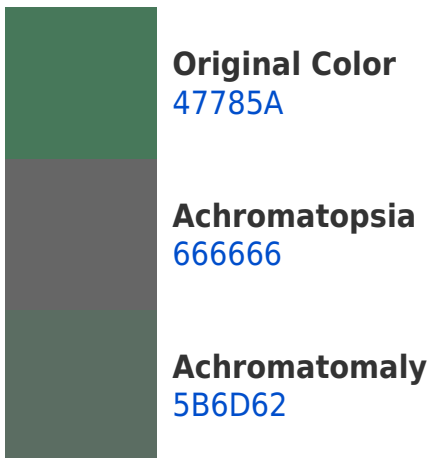


**Tritanopia**  
4F737D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47785A 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 #47785A looks like.

```
.text, #text, p{  
    color:#47785A  
}
```

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 #47785A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47785A
}
```

## Border

The CSS property to change the border of an element to Hex 47785A 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".

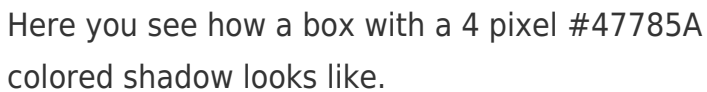
```
.border, #border, table{ border:4px solid
#47785A }
```

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

```
.border{ border-color:#47785A }
```

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

Here you see how a box with a 4 pixel #47785A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47785A; -webkit-box-shadow:4px 4px  
4px 4px #47785A; box-shadow:4px 4px 4px  
4px #47785A }
```

# Background

The CSS property to change the background color of an element to Hex 47785A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47785A }
```

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

```
.background{ background-color:#47785A }
```

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