

# Converting Colors

Hex(47736A)

Have a look what the booklet for  
Hex(47736A) contains.

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# Color

**Hex(47736A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47736A
RGB	71, 115, 106
RGB Percent	28%, 45%, 42%
CMY	0.7216, 0.5490, 0.5843
CMYK	0.38, 0.00, 0.08, 0.55
HSL	168°, 24%, 36%
HSV	168°, 38%, 45%
XYZ	11.3308, 14.6417, 15.8646
YIQ	100.8180, -23.3350, -12.1270

# Conversions

## Conversions Part 2

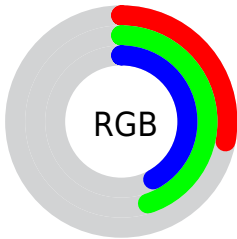
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>71, 96, 115</b>
Decimal	4682602
CIE Lab	45.14, -17.45, 0.17
CIE LCh	45, 17.452, 179.437
Yxy	14.6417, 0.2708, 0.3500
Android (android.graphics.Color)	4282872682 (0xFF47736A)
YUV	100.8180, 2.5547, -26.1504
Hunter-Lab	38.2644, -14.1057, 2.2032

# Details

The Hex color **47736A** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **734750**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **79A79D**, and **16433B** is the 20% darker color. If you saturate the color by 10%, you get **3C7368**, and if you desaturate by 10%, it is **53736C**.

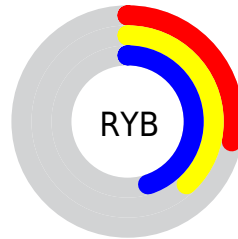
# Distribution



Red (28%)

Green (45%)

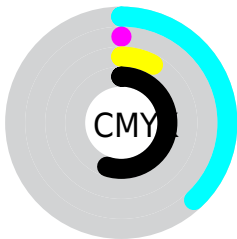
Blue (42%)



Red (28%)

Yellow (38%)

Blue (45%)

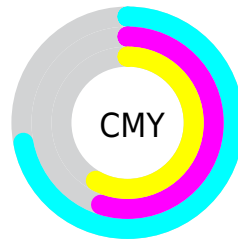


Cyan (38%)

Magenta (0%)

Yellow (8%)

Black (55%)



Cyan (72%)

Magenta (55%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47736A 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 47736A by changing the saturation by 10% instead.



 47736A

 47736A

FFFFFF

 2F5A52

 79A79D

 16433B

 94C2B8

 002C25

 AFDED4

 001910

 CBFBF0

 000000

 E7FFFF

 47736A

 47736A

 3C7368

 53736C

 307365

 5E736F

■ 257363

■ 6A7371

■ 197361

■ 757373

■ 0D735E

■ 817376

■ 02735C

■ 8C7378

■ 00735B

■ 98737A

■ A3737D

■ AF737F

# Harmonies

## Analogous

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



56715C



47736A



407379

# Triad

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



47736A



6D6784



826552

# Complementary

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



47736A



734750

# 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.



88615D



47736A



7D637A

# Square

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



47736A



596C88



87606C



766A4E

# Rectangle

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



47736A



437180



87606C



856355



# Sweetspot

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



47736A



869693



517347



434D4A



CCCCCC



4D4D4D



# Same Dimension

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



47736A



519688



476773



353B39



007A61



00FAC7



# Inverse Universe

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



734750



96515F



735347



3B3536



7A0019



FA0033



# Previews

## White Background



This preview shows how the Hex color 47736A looks on a white background.

## Color Contrast Check

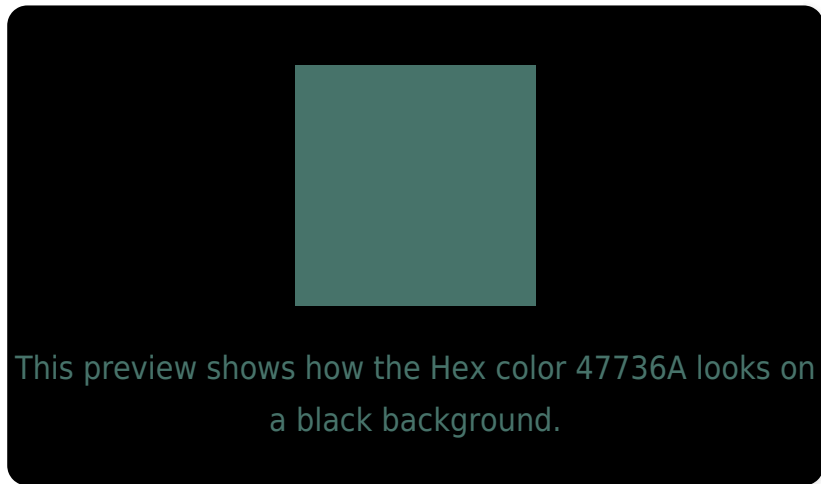
Large Text (above 18pt) WCAG AA ✓ Pass

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

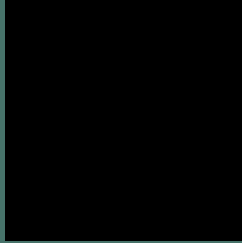
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 47736A Background



This preview shows how black text looks on a background with the Hex color 47736A.

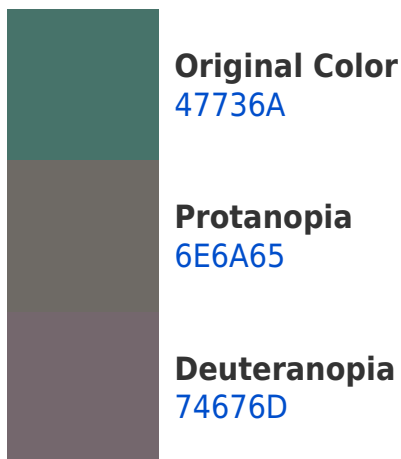


This preview shows how white text looks on a background with the Hex color 47736A.

# 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](#).

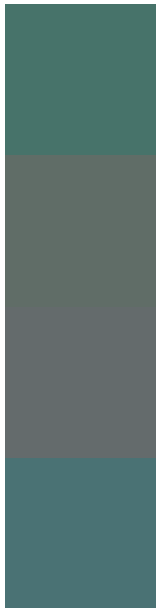
## Dichromacy





**Tritanopia**  
4B717A

# Trichromacy



**Original Color**  
47736A

**Protanomaly**  
606D67

**Deuteranomaly**  
646B6C

**Tritanomaly**  
4A7274

# Monochromacy



**Original Color**  
47736A

**Achromatopsia**  
656565

**Achromatomaly**  
5A6A67

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47736A 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 #47736A looks like.

```
.text, #text, p{  
    color:#47736A  
}
```

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 #47736A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47736A
}
```

## Border

The CSS property to change the border of an element to Hex 47736A 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
#47736A }
```

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

```
.border{ border-color:#47736A }
```

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

Here you see how a box with a 4 pixel #47736A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47736A; -webkit-box-shadow:4px 4px  
4px 4px #47736A; box-shadow:4px 4px 4px  
4px #47736A }
```

# Background

The CSS property to change the background color of an element to Hex 47736A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47736A }
```

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

```
.background{ background-color:#47736A }
```

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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