

# Converting Colors

Hex(47696D)

Have a look what the booklet for  
Hex(47696D) contains.

<b>Hex(47696D)</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(47696D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	47696D
RGB	71, 105, 109
RGB Percent	28%, 41%, 43%
CMY	0.7216, 0.5882, 0.5725
CMYK	0.35, 0.04, 0.00, 0.57
HSL	186°, 21%, 35%
HSV	186°, 35%, 43%
XYZ	10.4104, 12.5469, 16.3411
YIQ	95.2900, -21.5480, -5.9640

# Conversions

## Conversions Part 2

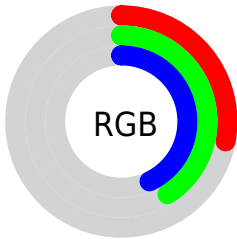
Format	Color
<b>R<sub>YB</sub></b>	71, 89, 109
Decimal	4680045
CIE Lab	42.07, -11.08, -6.16
CIE LCh	42, 12.680, 209.064
Yxy	12.5469, 0.2649, 0.3193
Android (android.graphics.Color)	4282870125 (0xFF47696D)
YUV	95.2900, 6.7590, -21.3023
Hunter-Lab	35.4216, -9.5264, -2.5573

# Details

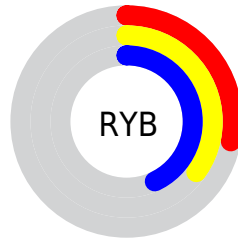
The Hex color **47696D** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6D4B47**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **799CA0**, and **173A3E** is the 20% darker color. If you saturate the color by 10%, you get **3C686D**, and if you desaturate by 10%, it is **526A6D**.

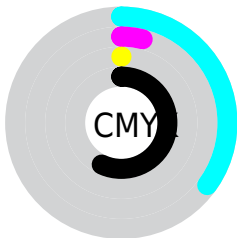
# Distribution



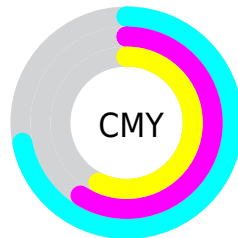
- Red (28%)
- Green (41%)
- Blue (43%)



- Red (28%)
- Yellow (35%)
- Blue (43%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (57%)



- Cyan (72%)
- Magenta (59%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47696D 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 47696D by changing the saturation by 10% instead.



47696D

47696D

FFFFFF

2F5155

799CA0

173A3E

93B7BB

002428

AED3D7

000F13

CAEFF4

000000

E6FFFF

47696D

47696D

3C686D

526A6D

31676D

5D6B6D

■ 26666D

■ 686C6D

■ 1B646D

■ 736E6D

■ 10636D

■ 7E6F6D

■ 06626D

■ 88706D

■ 00626D

■ 93716D

■ 9E726D

■ A9736D

# Harmonies

## Analogous

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



4B6963



47696D



4C6775

# Triad

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



47696D



715E6E



6C624F

# Complementary

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



47696D



6D4B47

# 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.



755F52



47696D



785C64

# Square

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



47696D



656175



795D5A



606651

# Rectangle

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



47696D



536577



795D5A



6F614F



# Sweetspot

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



47696D



818D8F



476D4B



3F4647



C7C7C7



474747



# Same Dimension

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



47696D



53888F



47566D



303536



006975



00DBF5



# Inverse Universe

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



6D4769



8F5388



6D5E47



363035



750069



F500DB



# Previews

## White Background



This preview shows how the Hex color 47696D looks on a white background.

## Color Contrast Check

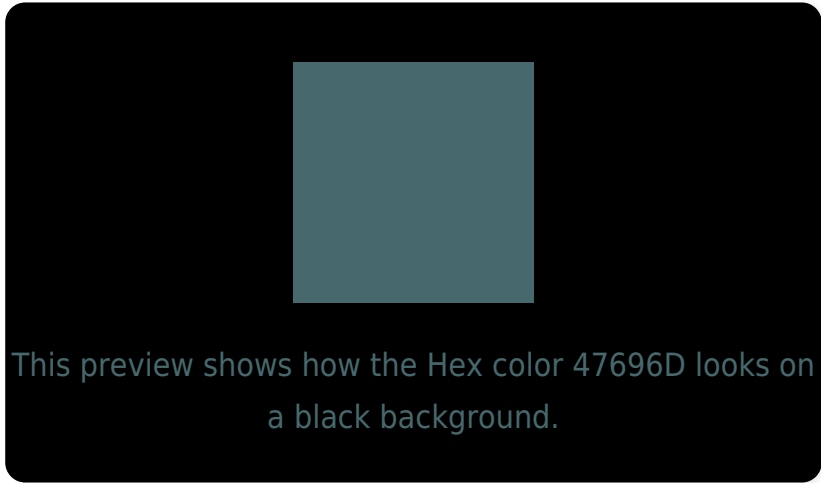
Large Text (above 18pt) WCAG AA ✓ Pass

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

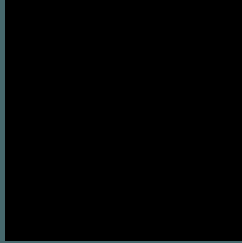
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 47696D Background



This preview shows how black text looks on a background with the Hex color 47696D.

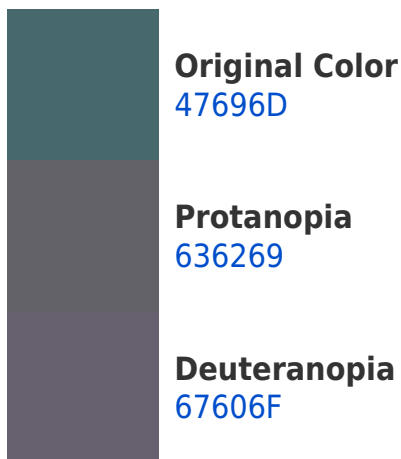



This preview shows how white text looks on a background with the Hex color 47696D.

# 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](#).

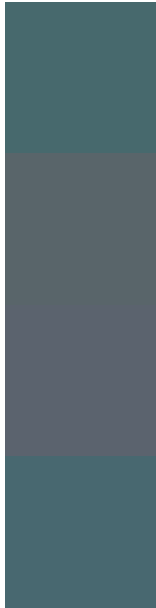
## Dichromacy





**Tritanopia**  
486871

# Trichromacy



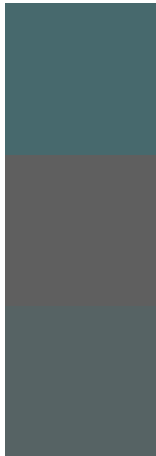
**Original Color**  
47696D

**Protanomaly**  
59656A

**Deuteranomaly**  
5B636E

**Tritanomaly**  
486870

# Monochromacy



**Original Color**  
47696D

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
566364

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47696D 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 #47696D looks like.

```
.text, #text, p{  
    color:#47696D  
}
```

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 #47696D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47696D
}
```

## Border

The CSS property to change the border of an element to Hex 47696D 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".

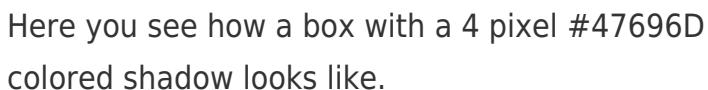
```
.border, #border, table{ border:4px solid
#47696D }
```

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

```
.border{ border-color:#47696D }
```

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

Here you see how a box with a 4 pixel #47696D colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border on the top and left sides, and a thicker dark blue shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47696D; -webkit-box-shadow:4px 4px  
4px 4px #47696D; box-shadow:4px 4px 4px  
4px #47696D }
```

# Background

The CSS property to change the background color of an element to Hex 47696D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47696D }
```

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

```
.background{ background-color:#47696D }
```

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