

# Converting Colors

Hex(46987F)

Have a look what the booklet for  
Hex(46987F) contains.

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**Color**

**Hex(46987F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46987F
RGB	70, 152, 127
RGB Percent	27%, 60%, 50%
CMY	0.7255, 0.4039, 0.5020
CMYK	0.54, 0.00, 0.16, 0.40
HSL	162°, 37%, 44%
HSV	162°, 54%, 60%
XYZ	17.5848, 25.2909, 24.0335
YIQ	124.6320, -40.8470, -25.1590

# Conversions

## Conversions Part 2

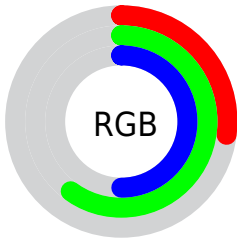
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 118, 152
Decimal	4626559
CIELab	57.36, -31.29, 5.61
CIELCh	57, 31.789, 169.836
Yxy	25.2909, 0.2628, 0.3780
Android (android.graphics.Color)	4282816639 (0xFF46987F)
YUV	124.6320, 1.1674, -47.9123
Hunter-Lab	50.2900, -25.5919, 6.8685

# Details

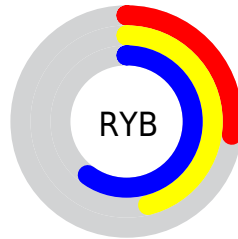
The Hex color **46987F** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **98465F**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **7DCFB4**, and **00644E** is the 20% darker color. If you saturate the color by 10%, you get **37987A**, and if you desaturate by 10%, it is **559884**.

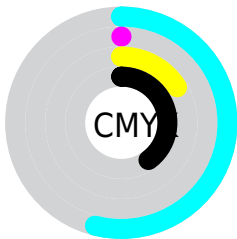
# Distribution



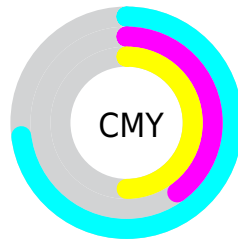
- Red (27%)
- Green (60%)
- Blue (50%)



- Red (27%)
- Yellow (46%)
- Blue (60%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)



- Cyan (73%)
- Magenta (40%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46987F 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 46987F by changing the saturation by 10% instead.



 46987F

 46987F

FFFFFF

 297E66

 7DCFB4

 00644E

 98EBCF

 004C37

 B4FFEB

 003422

 D1FFFF

 00210C

 EEEFFF

 000000

 46987F

 46987F

 37987A

 559884

 289876

 649888

■ 189871

■ 74988D

■ 09986C

■ 839892

■ 00986A

■ 929896

■ A1989B

■ B0989F

■ C098A4

■ CF98A9

# Harmonies

## Analogous

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



6A9465



46987F



1F989C

# Triad

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



46987F



7F86BE



B87B60

# Complementary

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



46987F



98465F

# 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.



C07578



46987F



A37CAE

# Square

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



46987F



518FC0



BA7594



A58553

# Rectangle

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



46987F



1797AC



BA7594



BC7968



# Sweetspot

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



46987F



A5C4BB



609846



51635E



E3E3E3



636363



# Same Dimension

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



46987F



45C49D



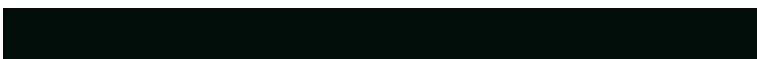
468998



454D4A



008C61



000D09



# Inverse Universe

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



98465F



C4456C



985546



4D4547



8C002B

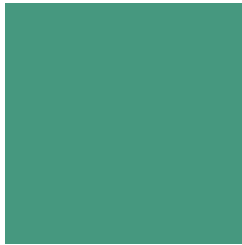


0D0004



# Previews

## White Background



This preview shows how the Hex color 46987F looks on a white background.

## Color Contrast Check

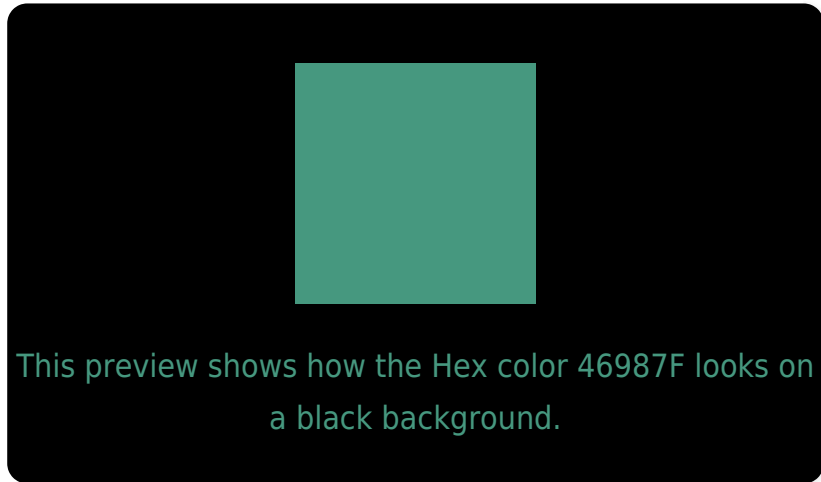
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

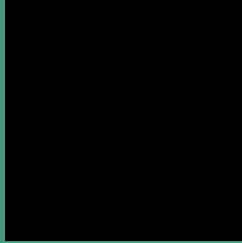
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 46987F Background



This preview shows how black text looks on a background with the Hex color 46987F.

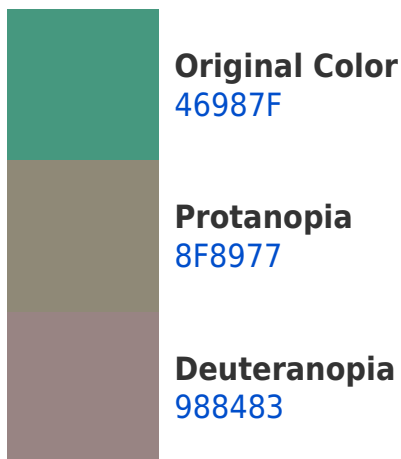


This preview shows how white text looks on a background with the Hex color 46987F.

# 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](#).

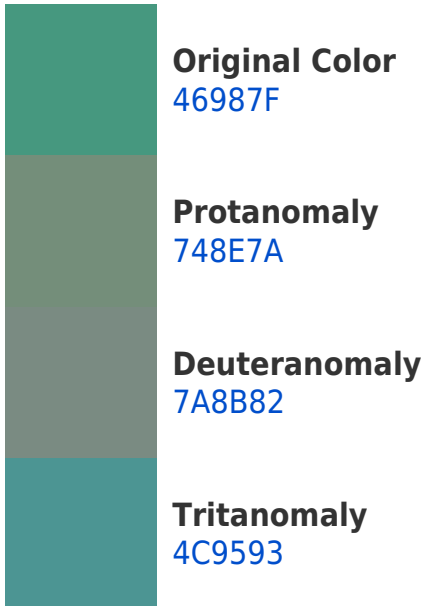
## Dichromacy



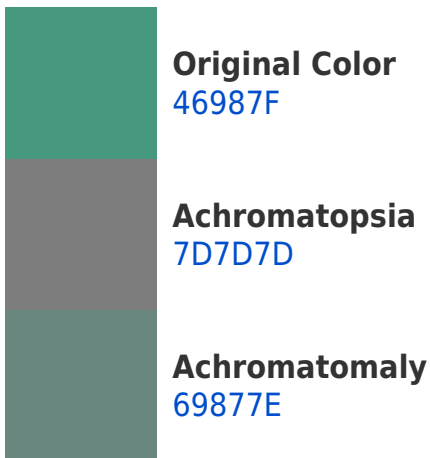


**Tritanopia**  
50939F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46987F 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 #46987F looks like.

```
.text, #text, p{  
    color:#46987F  
}
```

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 #46987F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46987F
}
```

## Border

The CSS property to change the border of an element to Hex 46987F 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
#46987F }
```

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

```
.border{ border-color:#46987F }
```

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

Here you see how a box with a 4 pixel #46987F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46987F; -webkit-box-shadow:4px 4px  
4px 4px #46987F; box-shadow:4px 4px 4px  
4px #46987F }
```

# Background

The CSS property to change the background color of an element to Hex 46987F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46987F }
```

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

```
.background{ background-color:#46987F }
```

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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