

# Converting Colors

Hex(33776F)

Have a look what the booklet for  
Hex(33776F) contains.

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# Color

**Hex(33776F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33776F
RGB	51, 119, 111
RGB Percent	20%, 47%, 44%
CMY	0.8000, 0.5333, 0.5647
CMYK	0.57, 0.00, 0.07, 0.53
HSL	173°, 40%, 33%
HSV	173°, 57%, 47%
XYZ	10.8313, 15.0452, 17.3721
YIQ	97.7560, -37.9600, -16.9040

# Conversions

## Conversions Part 2

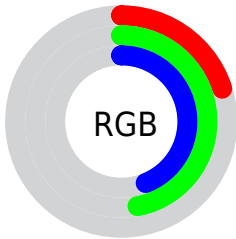
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 87, 119
Decimal	3372911
CIELab	45.70, -23.52, -2.10
CIELCh	46, 23.615, 185.107
Yxy	15.0452, 0.2504, 0.3479
Android (android.graphics.Color)	4281562991 (0xFF33776F)
YUV	97.7560, 6.5293, -41.0050
Hunter-Lab	38.7881, -18.0342, 0.5974

# Details

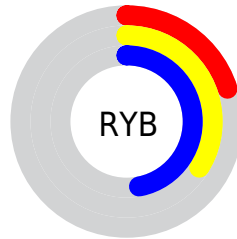
The Hex color **33776F** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **77333B**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **68ACA3**, and **00463F** is the 20% darker color. If you saturate the color by 10%, you get **27776E**, and if you desaturate by 10%, it is **3F7770**.

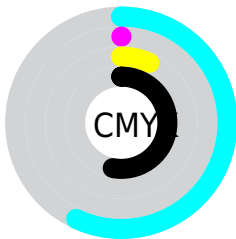
# Distribution



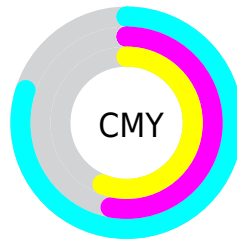
- Red (20%)
- Green (47%)
- Blue (44%)



- Red (20%)
- Yellow (34%)
- Blue (47%)



- Cyan (57%)
- Magenta (0%)
- Yellow (7%)
- Black (53%)



- Cyan (80%)
- Magenta (53%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33776F 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 33776F by changing the saturation by 10% instead.





33776F



33776F

FFFFFF



155E57



68ACA3



00463F



83C7BE



002F2A



9EE3D9



001C15



BAFFF6



000000



D7FFFF



F4FFFF



33776F



33776F



27776E



3F7770

■ 1B776C

■ 4B7772

■ 0F776B

■ 577773

■ 037769

■ 637775

■ 007769

■ 6E7776

■ 7A7777

■ 867779

■ 92777A

■ 9E777C

# Harmonies

## Analogous

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



4A765B



33776F



287682

# Triad

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



33776F



73668C



886549

# Complementary

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



33776F



77333B

# 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.



926056



33776F



88607D

# Square

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



33776F



576D93



925D69



766C45

# Rectangle

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



33776F



30748C



925D69



8C634D



# Sweetspot

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



33776F



819C98



3C7733



3F4F4D



CFCFCF



4F4F4F



# Same Dimension

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



33776F



309C8F



335E77



353B3A



007A6C



00FADC



# Inverse Universe

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



77333B



9C303D



774C33



3B3535



7A000E

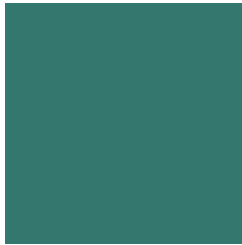


FA001D



# Previews

## White Background



This preview shows how the Hex color 33776F looks on a white background.

## Color Contrast Check

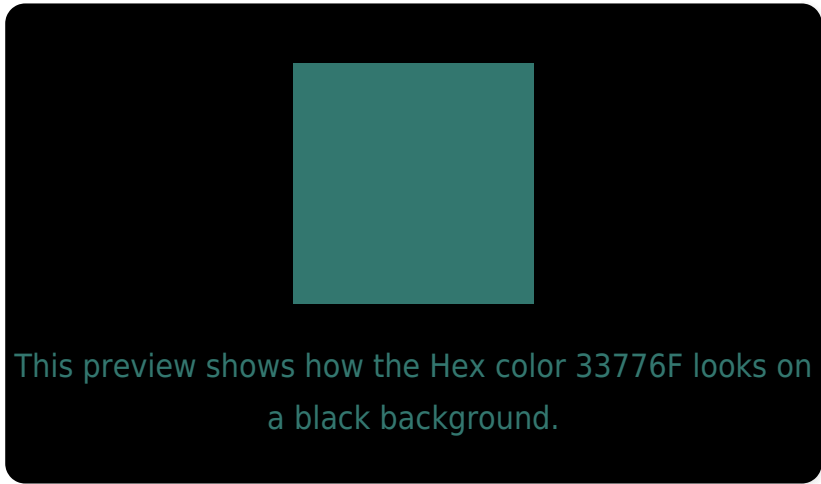
Large Text (above 18pt) WCAG AA ✓ Pass

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

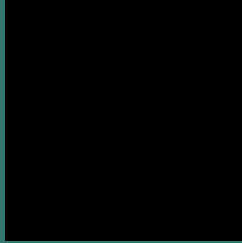
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33776F Background



This preview shows how black text looks on a background with the Hex color 33776F.



This preview shows how white text looks on a background with the Hex color 33776F.

# 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



**Original Color**  
33776F

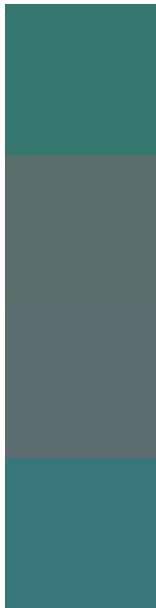
**Protanopia**  
6E6B68

**Deuteranopia**  
736872



**Tritanopia**  
39757E

# Trichromacy



**Original Color**  
33776F

**Protanomaly**  
596F6B

**Deuteranomaly**  
5C6D71

**Tritanomaly**  
377679

# Monochromacy



**Original Color**  
33776F

**Achromatopsia**  
626262

**Achromatomaly**  
516A67

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33776F 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 #33776F looks like.

```
.text, #text, p{  
    color:#33776F  
}
```

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 #33776F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33776F
}
```

## Border

The CSS property to change the border of an element to Hex 33776F 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
#33776F }
```

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

```
.border{ border-color:#33776F }
```

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

Here you see how a box with a 4 pixel #33776F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33776F; -webkit-box-shadow:4px 4px  
4px 4px #33776F; box-shadow:4px 4px 4px  
4px #33776F }
```

# Background

The CSS property to change the background color of an element to Hex 33776F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33776F }
```

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

```
.background{ background-color:#33776F }
```

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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