

# Converting Colors

Hex(31746E)

Have a look what the booklet for  
Hex(31746E) contains.

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# Color

**Hex(31746E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31746E
RGB	49, 116, 110
RGB Percent	19%, 45%, 43%
CMY	0.8078, 0.5451, 0.5686
CMYK	0.58, 0.00, 0.05, 0.55
HSL	175°, 41%, 32%
HSV	175°, 58%, 45%
XYZ	10.3265, 14.2695, 16.9619
YIQ	95.2830, -38.0060, -16.0700

# Conversions

## Conversions Part 2

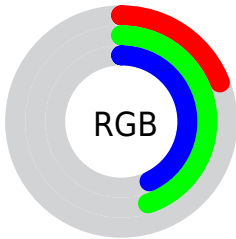
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 84, 116
Decimal	3241070
CIELab	44.62, -22.70, -3.10
CIELCh	45, 22.907, 187.782
Yxy	14.2695, 0.2485, 0.3434
Android (android.graphics.Color)	4281431150 (0xFF31746E)
YUV	95.2830, 7.2555, -40.5902
Hunter-Lab	37.7750, -17.3101, -0.1801




# Details

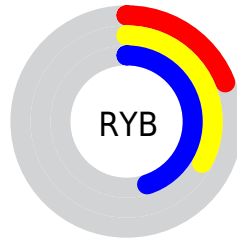
The Hex color **31746E** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **743137**, and the grayscale version is **5F5F5F**.




A 20% lighter version of the original color is **66A8A1**, and **00433F** is the 20% darker color. If you saturate the color by 10%, you get **25746D**, and if you desaturate by 10%, it is **3D746F**.

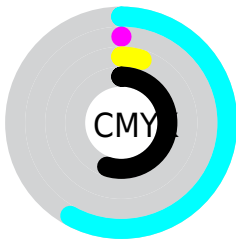
# Distribution







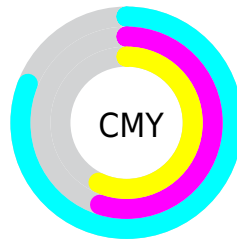
-  Red (19%)
-  Green (45%)
-  Blue (43%)






-  Red (19%)
-  Yellow (33%)
-  Blue (45%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (55%)




-  Cyan (81%)
-  Magenta (55%)
-  Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 31746E 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 31746E by changing the saturation by 10% instead.



 31746E

 31746E

FFFFFF

 125B56

 66A8A1

 00433F

 81C4BC

 002D29

 9CE0D8


 001914


 B8DFD5

 000000

 D5FFFF

 F2FFFF

 31746E

 31746E

 25746D

 3D746F

■ 1A746C

■ 487470

■ 0E746B

■ 547471

■ 03746A

■ 5F7472

■ 00746A

■ 6B7473

■ 777474

■ 827475

■ 8E7476

■ 997477

# Harmonies

## Analogous

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



46735B



31746E



297380

# Triad

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



31746E



726388



836347

# Complementary

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



31746E



743137

# 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.



8D5E53



31746E



865D78

# Square

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



31746E



576A8F



8F5B65



726A44

# Rectangle

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



31746E



327189



8F5B65



87614A



# Sweetspot

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



31746E



7D9694



387431



3D4D4B



CCCCCC



4D4D4D



# Same Dimension

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



31746E



2F968D



315974



353B3A



007A6F



00FAE4



# Inverse Universe

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



743137



962F38



744C31



3B3535



7A000B

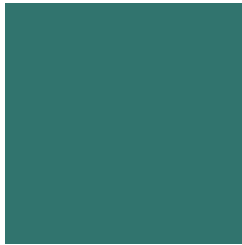


FA0016



# Previews

## White Background



This preview shows how the Hex color 31746E looks on a white background.

## Color Contrast Check

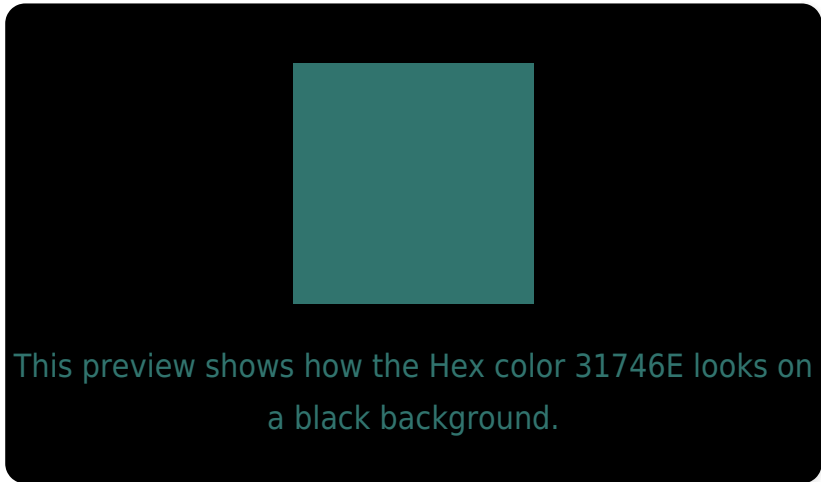
Large Text (above 18pt) WCAG AA ✓ Pass

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

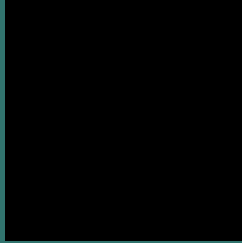
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31746E Background



This preview shows how black text looks on a background with the Hex color 31746E.

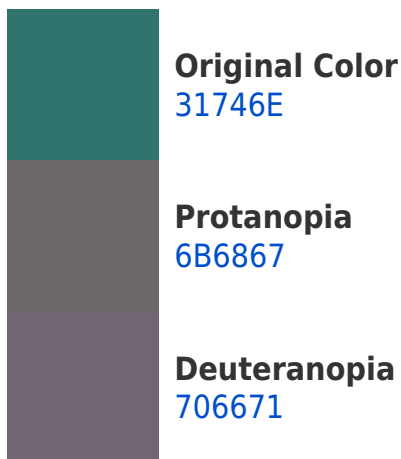


This preview shows how white text looks on a background with the Hex color 31746E.

# 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](#).

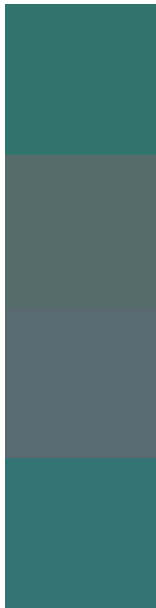
## Dichromacy





**Tritanopia**  
36727B

# Trichromacy



**Original Color**  
31746E

**Protanomaly**  
566C6A

**Deuteranomaly**  
596B70

**Tritanomaly**  
347376

# Monochromacy



**Original Color**  
31746E

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
4E6764

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31746E 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 #31746E looks like.

```
.text, #text, p{  
    color:#31746E  
}
```

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 #31746E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31746E
}
```

## Border

The CSS property to change the border of an element to Hex 31746E 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".

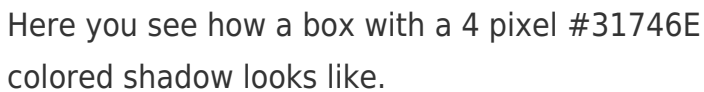
```
.border, #border, table{ border:4px solid
#31746E }
```

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

```
.border{ border-color:#31746E }
```

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

Here you see how a box with a 4 pixel #31746E colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31746E; -webkit-box-shadow:4px 4px  
4px 4px #31746E; box-shadow:4px 4px 4px  
4px #31746E }
```

# Background

The CSS property to change the background color of an element to Hex 31746E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31746E }
```

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

```
.background{ background-color:#31746E }
```

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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