

# Converting Colors

Hex(00646E)

Have a look what the booklet for  
Hex(00646E) contains.

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# Color

**Hex(00646E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00646E
RGB	0, 100, 110
RGB Percent	0%, 39%, 43%
CMY	1.0000, 0.6078, 0.5686
CMYK	1.00, 0.09, 0.00, 0.57
HSL	185°, 100%, 22%
HSV	185°, 100%, 43%
XYZ	7.3716, 10.2401, 16.3399
YIQ	71.2400, -62.8100, -18.0900

# Conversions

## Conversions Part 2

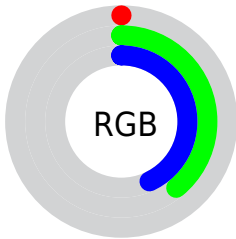
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 52, 110
Decimal	25710
CIELab	38.27, -20.69, -12.71
CIELCh	38, 24.287, 211.564
Yxy	10.2401, 0.2171, 0.3016
Android (android.graphics.Color)	4278215790 (0xFF00646E)
YUV	71.2400, 19.1087, -62.4775
Hunter-Lab	32.0002, -14.8807, -7.8744

# Details

The Hex color **00646E** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6E0A00**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **4A97A2**, and **00353E** is the 20% darker color. If you saturate the color by 10%, you get **00646E**, and if you desaturate by 10%, it is **0B656E**.

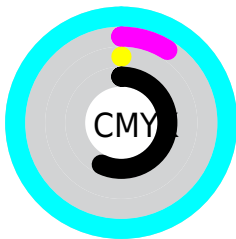
# Distribution



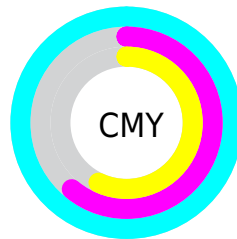
- Red (0%)
- Green (39%)
- Blue (43%)



- Red (0%)
- Yellow (20%)
- Blue (43%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (61%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00646E 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 00646E by changing the saturation by 10% instead.



 00646E

 00646E

FFFFFF

 004C56

 4A97A2

 00353E

 66B2BD

 002029

 82CED8

 000114

 9EEAF5

 000000

 BAF5FF

 D7FFFF

 F5FFFF

 00646E

 0B656E

 16666E

 21676E

 2C686E

 37696E

 426A6E

 4D6B6E

 586C6E

 636D6E

# Harmonies

## Analogous

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



1E655A



00646E



1A617C

# Triad

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



00646E



744E6D



665932

# Complementary

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



00646E



6E0A00

# 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.



765238



00646E



7F4B5A

# Square

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



00646E



5E557C



7F4D47



515F38

# Rectangle

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



00646E



335E81



7F4D47



6C5733



# Sweetspot

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



00646E



648B8F



006E09



2E4547



C7C7C7



474747



# Same Dimension

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



00646E



00828F



002E6E



323838



006D78



00E1F7



# Inverse Universe

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



6E0064



8F0082



6E4000



383238



78006D



F700E1



# Previews

## White Background



This preview shows how the Hex color 00646E looks on a white background.

## Color Contrast Check

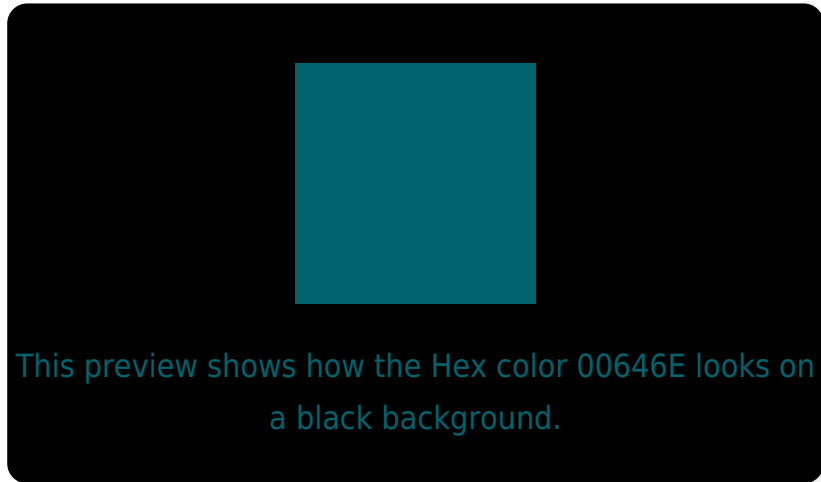
Large Text (above 18pt) WCAG AA ✓ Pass

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 00646E Background



This preview shows how black text looks on a background with the Hex color 00646E.

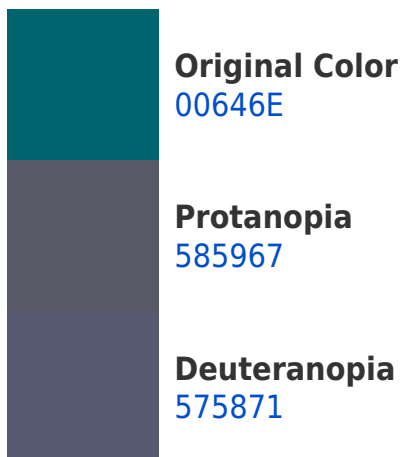


This preview shows how white text looks on a background with the Hex color 00646E.

# 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](#).

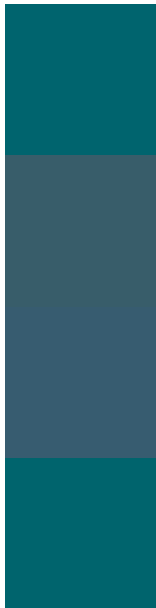
## Dichromacy





**Tritanopia**  
00646C

# Trichromacy



**Original Color**  
00646E

**Protanomaly**  
385D6A

**Deuteranomaly**  
375C70

**Tritanomaly**  
00646D

# Monochromacy



**Original Color**  
00646E

**Achromatopsia**  
474747

**Achromatomaly**  
2D5255

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00646E 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 #00646E looks like.

```
.text, #text, p{  
    color:#00646E  
}
```

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 #00646E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00646E
}
```

## Border

The CSS property to change the border of an element to Hex 00646E 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
#00646E }
```

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

```
.border{ border-color:#00646E }
```

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

Here you see how a box with a 4 pixel #00646E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00646E; -webkit-box-shadow:4px 4px  
4px 4px #00646E; box-shadow:4px 4px 4px  
4px #00646E }
```

# Background

The CSS property to change the background color of an element to Hex 00646E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00646E }
```

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

```
.background{ background-color:#00646E }
```

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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