

# Converting Colors

Hex(02747C)

Have a look what the booklet for  
Hex(02747C) contains.

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# Color

Hex(02747C)

# Conversions

## Conversions Part 1

Format	Color
Hex	02747C
RGB	2, 116, 124
RGB Percent	1%, 45%, 49%
CMY	0.9922, 0.5451, 0.5137
CMYK	0.98, 0.06, 0.00, 0.51
HSL	184°, 97%, 25%
HSV	184°, 98%, 49%
XYZ	9.9085, 13.9589, 21.2409
YIQ	82.8260, -70.5120, -21.6800

# Conversions

## Conversions Part 2

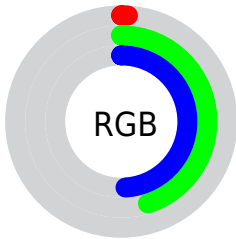
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 61, 124
Decimal	160892
CIELab	44.17, -24.05, -12.25
CIELCh	44, 26.988, 206.984
Yxy	13.9589, 0.2197, 0.3095
Android (android.graphics.Color)	4278350972 (0xFF02747C)
YUV	82.8260, 20.2988, -70.8844
Hunter-Lab	37.3616, -18.0437, -7.5545

# Details

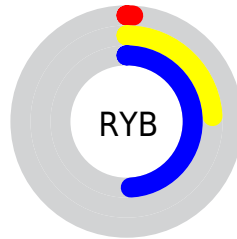
The Hex color **02747C** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7C0A02**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **50A8B0**, and **00434B** is the 20% darker color. If you saturate the color by 10%, you get **00747C**, and if you desaturate by 10%, it is **0E757C**.

# Distribution



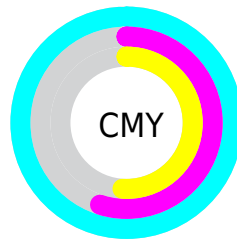
- Red (1%)
- Green (45%)
- Blue (49%)



- Red (1%)
- Yellow (24%)
- Blue (49%)



- Cyan (98%)
- Magenta (6%)
- Yellow (0%)
- Black (51%)



- Cyan (99%)
- Magenta (55%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02747C 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 02747C by changing the saturation by 10% instead.



 02747C

 02747C

FFFFFF

 005B63

 50A8B0

 00434B

 6DC4CC

 002D35

 89E0E8

 00181F

 A6FDFF

 000005

 C3FFFF

 000000

 E0FFFF

FEFFFF

 02747C

 02747C

■ 00747C

■ 0E757C

■ 1B767C

■ 27767C

■ 34777C

■ 40787C

■ 4C797C

■ 597A7C

■ 657B7C

■ 727B7C

# Harmonies

## Analogous

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



297465



02747C



18718D

# Triad

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



02747C



835C81



79663B

# Complementary

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



02747C



7C0A02

# 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.



8B5E44



02747C



91576C

# Square

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



02747C



686390



945855



626D40

# Rectangle

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



02747C



366E94



945855



80643D



# Sweetspot

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



02747C



709DA1



027C08



345052



D1D1D1



525252



# Same Dimension

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



02747C



0096A1



02397C



373D3D



00757D



00ECFC



# Inverse Universe

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



7C0274



A10096



7C4502



3D373D



7D0075



FC00EC



# Previews

## White Background



This preview shows how the Hex color 02747C looks on a white background.

## Color Contrast Check

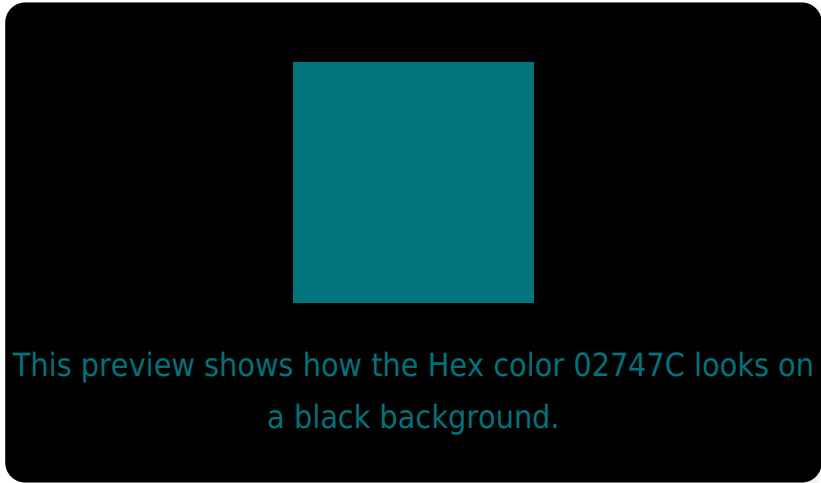
Large Text (above 18pt) WCAG AA ✓ Pass

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

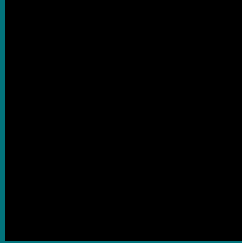
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 02747C Background



This preview shows how black text looks on a background with the Hex color 02747C.

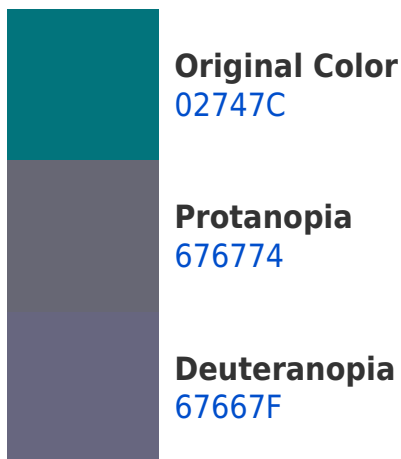


This preview shows how white text looks on a background with the Hex color 02747C.

# 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](#).

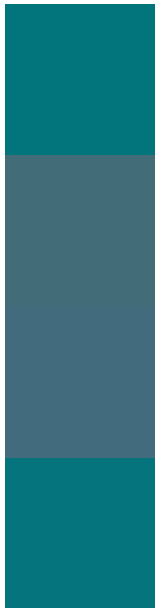
## Dichromacy





**Tritanopia**  
09747D

# Trichromacy



**Original Color**  
02747C

**Protanomaly**  
426C77

**Deuteranomaly**  
426B7E

**Tritanomaly**  
06747D

# Monochromacy



**Original Color**  
02747C

**Achromatopsia**  
535353

**Achromatomaly**  
365F62

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02747C 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 #02747C looks like.

```
.text, #text, p{  
    color:#02747C  
}
```

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 #02747C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02747C
}
```

## Border

The CSS property to change the border of an element to Hex 02747C 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
#02747C }
```

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

```
.border{ border-color:#02747C }
```

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

Here you see how a box with a 4 pixel #02747C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02747C; -webkit-box-shadow:4px 4px  
4px 4px #02747C; box-shadow:4px 4px 4px  
4px #02747C }
```

# Background

The CSS property to change the background color of an element to Hex 02747C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02747C }
```

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

```
.background{ background-color:#02747C }
```

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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