

# Converting Colors

Hex(047D80)

Have a look what the booklet for  
Hex(047D80) contains.

<b>Hex(047D80)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(047D80)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	047D80
RGB	4, 125, 128
RGB Percent	2%, 49%, 50%
CMY	0.9843, 0.5098, 0.4980
CMYK	0.97, 0.02, 0.00, 0.50
HSL	181°, 94%, 26%
HSV	181°, 97%, 50%
XYZ	11.2800, 16.2516, 22.9644
YIQ	89.1630, -73.0790, -24.7190

# Conversions

## Conversions Part 2

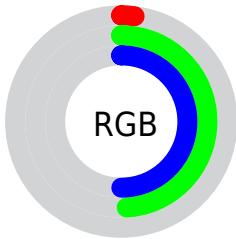
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 65, 128
Decimal	294272
CIELab	47.30, -27.14, -9.91
CIELCh	47, 28.896, 200.050
Yxy	16.2516, 0.2234, 0.3218
Android (android.graphics.Color)	4278484352 (0xFF047D80)
YUV	89.1630, 19.1466, -74.6880
Hunter-Lab	40.3132, -20.6024, -5.5553

# Details

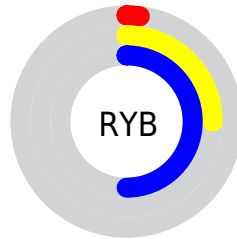
The Hex color **047D80** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **800704**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **53B2B5**, and **004B4F** is the 20% darker color. If you saturate the color by 10%, you get **007D80**, and if you desaturate by 10%, it is **117D80**.

# Distribution



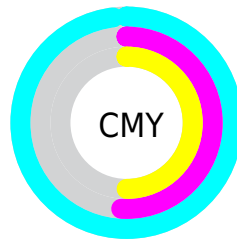
- Red (2%)
- Green (49%)
- Blue (50%)



- Red (2%)
- Yellow (25%)
- Blue (50%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (98%)
- Magenta (51%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 047D80 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 047D80 by changing the saturation by 10% instead.



 047D80

 047D80

FFFFFF

 006467

 53B2B5

 004B4F

 70CED0

 003438

 8DEAED

 002123

 A9FFFF

 00010D

 C6FFFF


 000000

 E4FFFF

 047D80

 047D80

 007D80

 117D80

■ 1E7E80

■ 2A7E80

■ 377E80

■ 447F80

■ 517F80

■ 5E7F80

■ 6A7F80

■ 778080

# Harmonies

## Analogous

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



337D67



047D80



067B95

# Triad

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



047D80



876490



876C40

# Complementary

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



047D80



800704

# 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.



98644C



047D80



9A5E79

# Square

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



047D80



676D9E



A05E61



707442

# Rectangle

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



047D80



2D779D



A05E61



8E6943



# Sweetspot

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



047D80



76A5A6



048006



375354



D4D4D4



545454



# Same Dimension

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



047D80



00A2A6



044080



394040



007C80



000000



# Inverse Universe

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



80047D



A600A2



804404



403940



80007C



000000



# Previews

## White Background



This preview shows how the Hex color 047D80 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



This preview shows how the Hex color 047D80 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

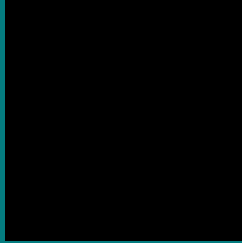
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 047D80 Background



This preview shows how black text looks on a background with the Hex color 047D80.

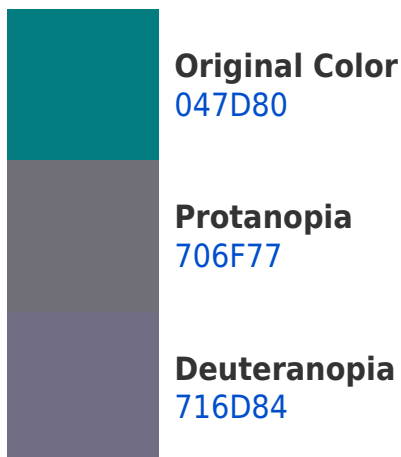


This preview shows how white text looks on a background with the Hex color 047D80.

# 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



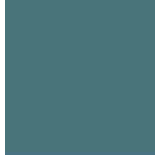


**Tritanopia**  
147C86

# Trichromacy



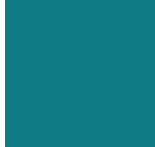
**Original Color**  
047D80



**Protanomaly**  
49747A



**Deuteranomaly**  
497383



**Tritanomaly**  
0E7C84

# Monochromacy



**Original Color**  
047D80



**Achromatopsia**  
595959



**Achromatomaly**  
3A6667

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 047D80 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 #047D80 looks like.

```
.text, #text, p{  
    color:#047D80  
}
```

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 #047D80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #047D80
}
```

## Border

The CSS property to change the border of an element to Hex 047D80 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
#047D80 }
```

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

```
.border{ border-color:#047D80 }
```

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

Here you see how a box with a 4 pixel #047D80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #047D80; -webkit-box-shadow:4px 4px  
4px 4px #047D80; box-shadow:4px 4px 4px  
4px #047D80 }
```

# Background

The CSS property to change the background color of an element to Hex 047D80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#047D80 }
```

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

```
.background{ background-color:#047D80 }
```

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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