

# Converting Colors

Hex(077F70)

Have a look what the booklet for  
Hex(077F70) contains.

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# Color

Hex(077F70)

# Conversions

## Conversions Part 1

Format	Color
Hex	077F70
RGB	7, 127, 112
RGB Percent	3%, 50%, 44%
CMY	0.9725, 0.5020, 0.5608
CMYK	0.94, 0.00, 0.12, 0.50
HSL	172°, 90%, 26%
HSV	172°, 94%, 50%
XYZ	10.6016, 16.3938, 17.9348
YIQ	89.4100, -66.7050, -30.1050

# Conversions

## Conversions Part 2

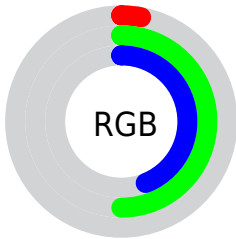
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 71, 127
Decimal	491376
CIELab	47.49, -32.97, -0.17
CIELCh	47, 32.967, 180.301
Yxy	16.3938, 0.2360, 0.3649
Android (android.graphics.Color)	4278681456 (0xFF077F70)
YUV	89.4100, 11.1369, -72.2736
Hunter-Lab	40.4892, -24.1180, 2.0798

# Details

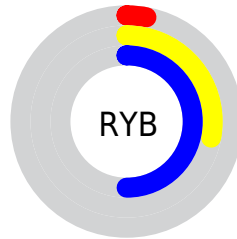
The Hex color **077F70** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7F0716**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **52B4A4**, and **004D40** is the 20% darker color. If you saturate the color by 10%, you get **007F6F**, and if you desaturate by 10%, it is **147F72**.

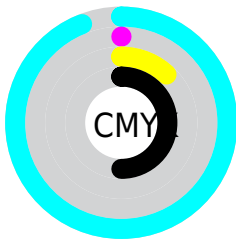
# Distribution



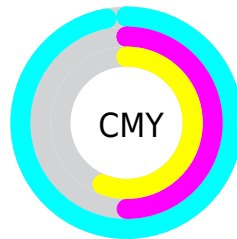
- Red (3%)
- Green (50%)
- Blue (44%)



- Red (3%)
- Yellow (28%)
- Blue (50%)



- Cyan (94%)
- Magenta (0%)
- Yellow (12%)
- Black (50%)



- Cyan (97%)
- Magenta (50%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 077F70 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 077F70 by changing the saturation by 10% instead.



 077F70

 077F70

FFFFFF

 006658

 52B4A4

 004D40

 6FD0BF

 00352A

 8BEDDA

 002216

 A8FFF7

 000000

 C5FFFF

 E2FFFF

 077F70

 077F70

 007F6F

 147F72

■ 207F73

■ 2D7F75

■ 3A7F76

■ 467F78

■ 537F7A

■ 607F7B

■ 6D7F7D

■ 797F7E

# Harmonies

## Analogous

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



437D54



077F70



007E8C

# Triad

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



077F70



7369A1



986541

# Complementary

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



077F70



7F0716

# 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.



A45D56



077F70



935F8D

# Square

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



077F70



4473A8



A45A71



826F38

# Rectangle

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



077F70



007C9B



A45A71



9D6247



# Sweetspot

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



077F70



77A6A0



177F07



385451



D4D4D4



545454



# Same Dimension

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



077F70



00A691



07537F



39403F



008070



000000



# Inverse Universe

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



7F0716



A60015



7F3307



40393A



800010



000000



# Previews

## White Background



This preview shows how the Hex color 077F70 looks on a white background.

## Color Contrast Check

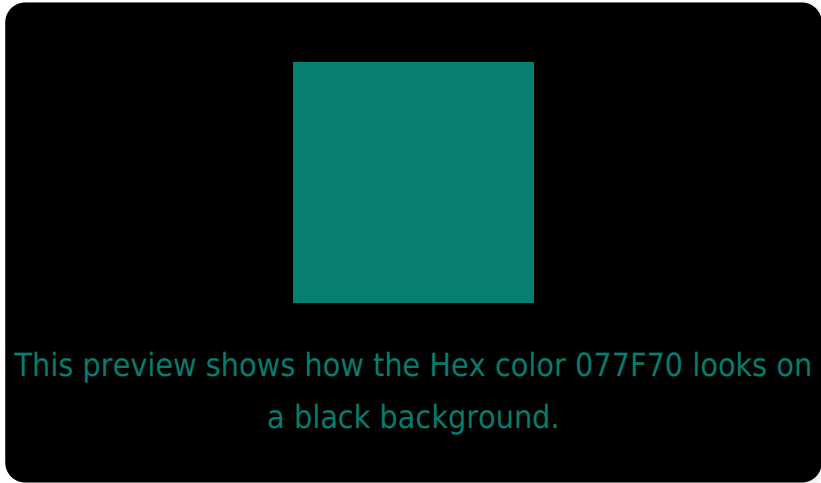
Large Text (above 18pt) WCAG AA ✓ Pass

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

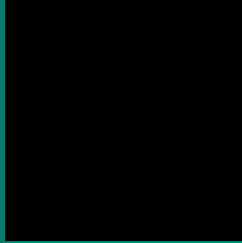
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 077F70 Background



This preview shows how black text looks on a background with the Hex color 077F70.

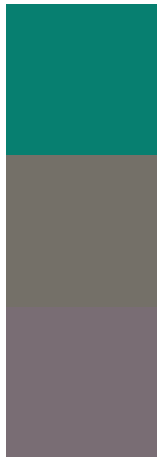


This preview shows how white text looks on a background with the Hex color 077F70.

# 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**  
077F70

**Protanopia**  
747068

**Deuteranopia**  
796D74



**Tritanopia**  
227C86

# Trichromacy



**Original Color**  
077F70



**Protanomaly**  
4C756B



**Deuteranomaly**  
507473



**Tritanomaly**  
187D7E

# Monochromacy



**Original Color**  
077F70



**Achromatopsia**  
595959



**Achromatomaly**  
3B6761

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 077F70 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 #077F70 looks like.

```
.text, #text, p{  
    color:#077F70  
}
```

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 #077F70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #077F70
}
```

## Border

The CSS property to change the border of an element to Hex 077F70 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
#077F70 }
```

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

```
.border{ border-color:#077F70 }
```

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

Here you see how a box with a 4 pixel #077F70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #077F70; -webkit-box-shadow:4px 4px  
4px 4px #077F70; box-shadow:4px 4px 4px  
4px #077F70 }
```

# Background

The CSS property to change the background color of an element to Hex 077F70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#077F70 }
```

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

```
.background{ background-color:#077F70 }
```

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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