

# Converting Colors

Hex(007780)

Have a look what the booklet for  
Hex(007780) contains.

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# Color

**Hex(007780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007780
RGB	0, 119, 128
RGB Percent	0%, 47%, 50%
CMY	1.0000, 0.5333, 0.4980
CMYK	1.00, 0.07, 0.00, 0.50
HSL	184°, 100%, 25%
HSV	184°, 100%, 50%
XYZ	10.4931, 14.7522, 22.7165
YIQ	84.4450, -73.8130, -22.4290

# Conversions

## Conversions Part 2

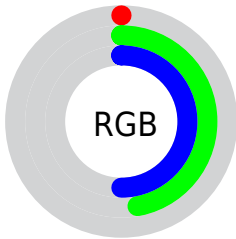
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 62, 128
Decimal	30592
CIELab	45.29, -24.33, -12.94
CIELCh	45, 27.561, 208.008
Yxy	14.7522, 0.2188, 0.3076
Android (android.graphics.Color)	4278220672 (0xFF007780)
YUV	84.4450, 21.4726, -74.0583
Hunter-Lab	38.4085, -18.4493, -8.1807

# Details

The Hex color **007780** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **800900**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **51ACB5**, and **00464F** is the 20% darker color. If you saturate the color by 10%, you get **007780**, and if you desaturate by 10%, it is **0D7880**.

# Distribution



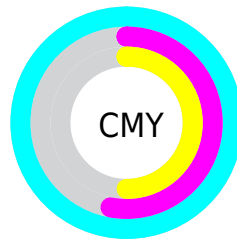
- Red (0%)
- Green (47%)
- Blue (50%)



- Red (0%)
- Yellow (24%)
- Blue (50%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (53%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007780 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 007780 by changing the saturation by 10% instead.



 007780

 007780


FFFFFF

 005E67

 51ACB5

 00464F

 6EC7D0

 002F38

 8AE3ED

 001C23

 A7FFFF

 00000C

 C4FFFF

 000000

 E1FFFF

 007780

 0D7880

 1A7980

 267A80

 337B80

 407C80

 4D7C80

 5A7D80

 667E80

 737F80

# Harmonies

## Analogous

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



297769



007780



1A7492

# Triad

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



007780



875E84



7C693D

# Complementary

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



007780



800900

# 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.



8E6145



007780



96596E

# Square

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



007780



6C6694



975B57



647042

# Rectangle

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



007780



397098



975B57



82673E



# Sweetspot

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



007780



74A2A6



008009



365254



D4D4D4



545454



# Same Dimension

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



007780



009AA6



003780



393F40



000000

# Inverse Universe

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



800077



A6009A



804900



40393F



000000

# Previews

## White Background



This preview shows how the Hex color 007780 looks on a white background.

## Color Contrast Check

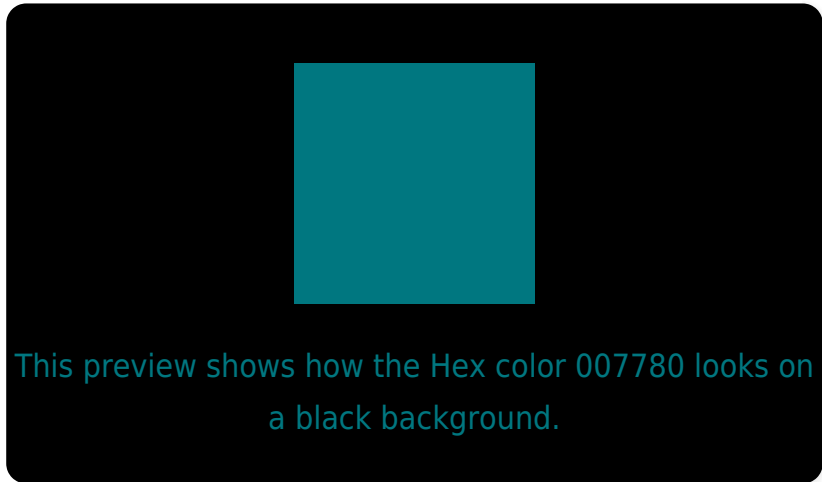
Large Text (above 18pt) WCAG AA ✓ Pass

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

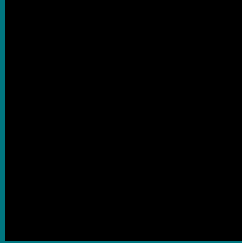
Any Text WCAG AA × Fail

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 007780 Background



This preview shows how black text looks on a background with the Hex color 007780.

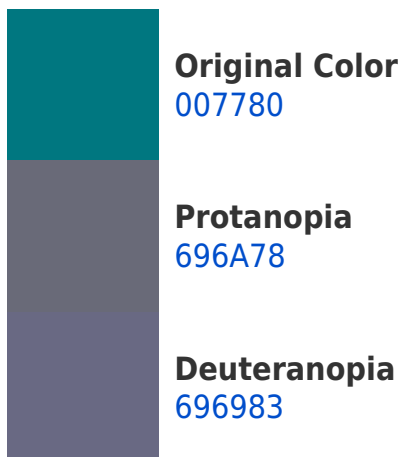


This preview shows how white text looks on a background with the Hex color 007780.

# 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





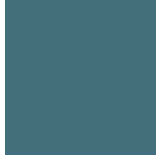


**Tritanopia**  
077781

# Trichromacy



**Original Color**  
007780



**Protanomaly**  
436F7B



**Deuteranomaly**  
436E82



**Tritanomaly**  
047781

# Monochromacy



**Original Color**  
007780



**Achromatopsia**  
545454



**Achromatomaly**  
356164

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007780 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 #007780 looks like.

```
.text, #text, p{  
    color:#007780  
}
```

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 #007780 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007780
}
```

## Border

The CSS property to change the border of an element to Hex 007780 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
#007780 }
```

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

```
.border{ border-color:#007780 }
```

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

Here you see how a box with a 4 pixel #007780 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007780; -webkit-box-shadow:4px 4px  
4px 4px #007780; box-shadow:4px 4px 4px  
4px #007780 }
```

# Background

The CSS property to change the background color of an element to Hex 007780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007780 }
```

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

```
.background{ background-color:#007780 }
```

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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