

# Converting Colors

Hex(007686)

Have a look what the booklet for  
Hex(007686) contains.

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# Color

**Hex(007686)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007686
RGB	0, 118, 134
RGB Percent	0%, 46%, 53%
CMY	1.0000, 0.5373, 0.4745
CMYK	1.00, 0.12, 0.00, 0.47
HSL	187°, 100%, 26%
HSV	187°, 100%, 53%
XYZ	10.7815, 14.6781, 24.8192
YIQ	84.5420, -75.4640, -20.0400

# Conversions

## Conversions Part 2

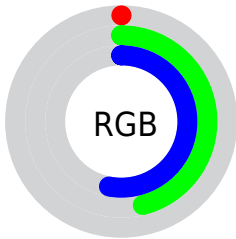
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 134
Decimal	30342
CIELab	45.19, -21.71, -16.67
CIELCh	45, 27.375, 217.519
Yxy	14.6781, 0.2144, 0.2919
Android (android.graphics.Color)	4278220422 (0xFF007686)
YUV	84.5420, 24.3828, -74.1433
Hunter-Lab	38.3120, -16.8137, -11.5907

# Details

The Hex color **007686** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **861000**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **52AABB**, and **004554** is the 20% darker color. If you saturate the color by 10%, you get **007686**, and if you desaturate by 10%, it is **0D7886**.

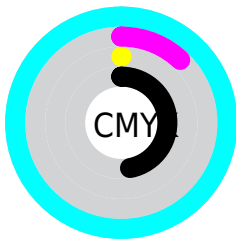
# Distribution



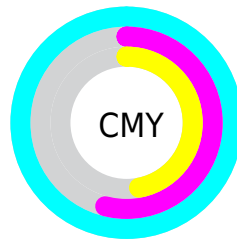
- Red (0%)
- Green (46%)
- Blue (53%)



- Red (0%)
- Yellow (25%)
- Blue (53%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (54%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007686 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 007686 by changing the saturation by 10% instead.



007686

007686

FFFFFF

005D6D

52AABB

004554

6FC6D7

002F3D

8BE2F3

001C27

A8FFFF

000112

C5FFFF

000000

E3FFFF

007686

0D7886

 1B7986

 287B86

 367C86

 437E86

 508086

 5E8186

 6B8386

 798486

# Harmonies

## Analogous

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



1E7770



007686



2A7295

# Triad

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



007686



8C5C7D



746B3D

# Complementary

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



007686



861000

# 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.



886441



007686



975966

# Square

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



007686



75638F



955C50



5C7246

# Rectangle

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



007686



466E98



955C50



7C693D



# Sweetspot

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



007686



79A7AD



008610



375357



D6D6D6



575757



# Same Dimension

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



007686



0099AD



003386



3C4242



007382



000203



# Inverse Universe

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



860076



AD0099



865300



423C42



820073



030002



# Previews

## White Background



This preview shows how the Hex color 007686 looks on a white background.

## Color Contrast Check

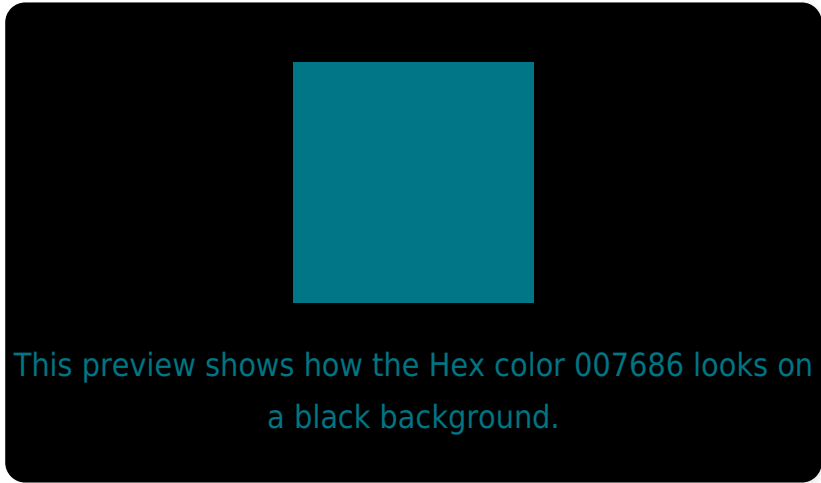
Large Text (above 18pt) WCAG AA ✓ Pass

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

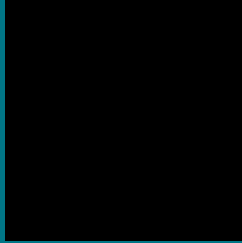
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007686 Background



This preview shows how black text looks on a background with the Hex color 007686.

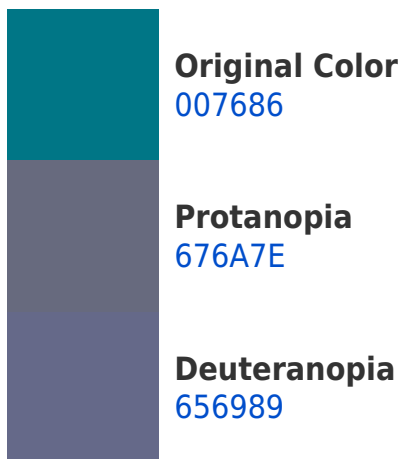


This preview shows how white text looks on a background with the Hex color 007686.

# 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**  
007780

# Trichromacy



**Original Color**  
007686

**Protanomaly**  
426E81

**Deuteranomaly**  
406E88

**Tritanomaly**  
007782

# Monochromacy



**Original Color**  
007686

**Achromatopsia**  
555555

**Achromatomaly**  
366167

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007686 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 #007686 looks like.

```
.text, #text, p{  
    color:#007686  
}
```

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 #007686 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007686
}
```

## Border

The CSS property to change the border of an element to Hex 007686 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
#007686 }
```

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

```
.border{ border-color:#007686 }
```

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

Here you see how a box with a 4 pixel #007686 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007686; -webkit-box-shadow:4px 4px  
4px 4px #007686; box-shadow:4px 4px 4px  
4px #007686 }
```

# Background

The CSS property to change the background color of an element to Hex 007686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007686 }
```

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

```
.background{ background-color:#007686 }
```

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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