

# Converting Colors

Hex(007688)

Have a look what the booklet for  
Hex(007688) contains.

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# Color

**Hex(007688)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007688
RGB	0, 118, 136
RGB Percent	0%, 46%, 53%
CMY	1.0000, 0.5373, 0.4667
CMYK	1.00, 0.13, 0.00, 0.47
HSL	188°, 100%, 27%
HSV	188°, 100%, 53%
XYZ	10.9224, 14.7344, 25.5609
YIQ	84.7700, -76.1060, -19.4180

# Conversions

## Conversions Part 2

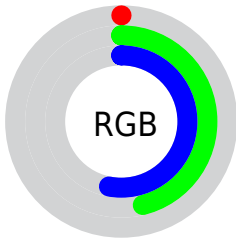
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 136
Decimal	30344
CIELab	45.27, -21.00, -17.74
CIELCh	45, 27.492, 220.194
Yxy	14.7344, 0.2133, 0.2877
Android (android.graphics.Color)	4278220424 (0xFF007688)
YUV	84.7700, 25.2564, -74.3433
Hunter-Lab	38.3855, -16.3834, -12.6114

# Details

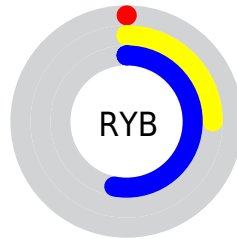
The Hex color **007688** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **881200**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **52AABD**, and **004556** is the 20% darker color. If you saturate the color by 10%, you get **007688**, and if you desaturate by 10%, it is **0E7888**.

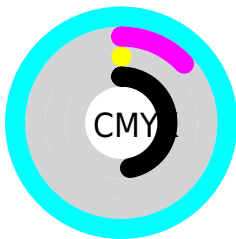
# Distribution



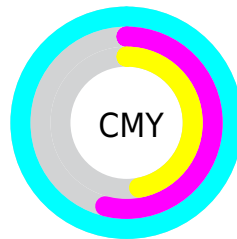
- Red (0%)
- Green (46%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (47%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 007688 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 007688 by changing the saturation by 10% instead.



 007688

 007688


FFFFFF

 005D6F

 52AABD

 004556

 6FC6D9

 002F3F

 8CE2F6

 001C29

 A9FFFF

 000114

 C6FFFF

 000000

 E3FFFF

 007688

 0E7888

 1B7A88

 297B88

 367D88

 447F88

 528188

 5F8388

 6D8488

 7A8688

# Harmonies

## Analogous

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



1A7772



007688



2D7296

# Triad

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



007688



8E5B7B



726C3D

# Complementary

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



007688



881200

# 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.



876440



007688



985964

# Square

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



007688



78628E



955D4F



597247

# Rectangle

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



007688



4A6D99



955D4F



7A6A3D



# Sweetspot

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



007688



7BA9B0



008810



395559



D9D9D9



595959



# Same Dimension

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



007688



0099B0



003488



3E4445



007385



000405



# Inverse Universe

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



880076



B00099



885400



453E44



850073



050004



# Previews

## White Background



This preview shows how the Hex color 007688 looks on a white background.

## Color Contrast Check

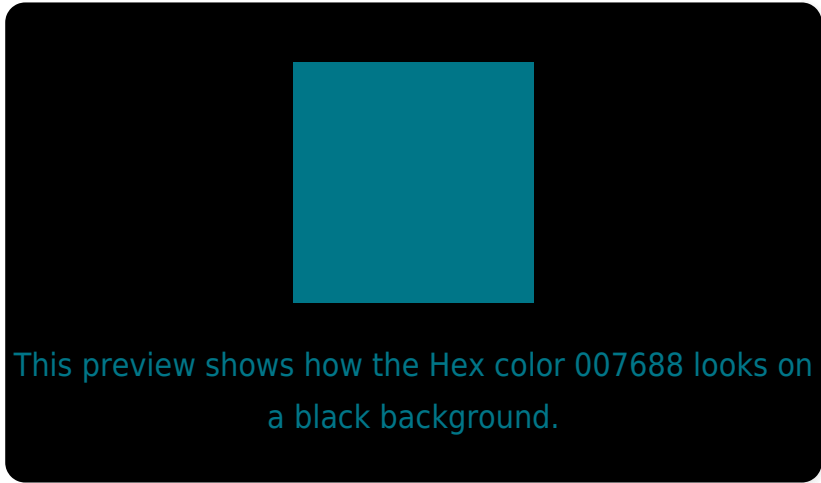
Large Text (above 18pt) WCAG AA ✓ Pass

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

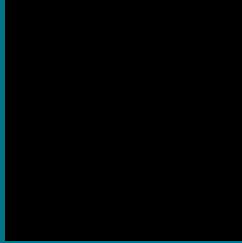
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007688 Background



This preview shows how black text looks on a background with the Hex color 007688.

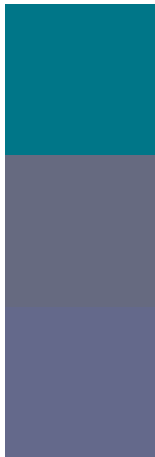


This preview shows how white text looks on a background with the Hex color 007688.

# 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**  
007688

**Protanopia**  
666A80

**Deuteranopia**  
64698B

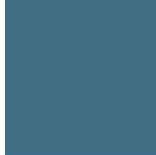


**Tritanopia**  
007780

# Trichromacy



**Original Color**  
007688



**Protanomaly**  
416E83



**Deuteranomaly**  
406E8A



**Tritanomaly**  
007783

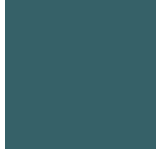
# Monochromacy



**Original Color**  
007688



**Achromatopsia**  
555555



**Achromatomaly**  
366168

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007688 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 #007688 looks like.

```
.text, #text, p{  
    color:#007688  
}
```

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 #007688 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007688  
}
```

## Border

The CSS property to change the border of an element to Hex 007688 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  
#007688 }
```

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

```
.border{ border-color:#007688 }
```

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

Here you see how a box with a 4 pixel #007688 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007688; -webkit-box-shadow:4px 4px  
4px 4px #007688; box-shadow:4px 4px 4px  
4px #007688 }
```

# Background

The CSS property to change the background color of an element to Hex 007688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007688 }
```

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

```
.background{ background-color:#007688 }
```

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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