

# Converting Colors

Hex(006C7B)

Have a look what the booklet for  
Hex(006C7B) contains.

<b>Hex(006C7B)</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(006C7B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006C7B
RGB	0, 108, 123
RGB Percent	0%, 42%, 48%
CMY	1.0000, 0.5765, 0.5176
CMYK	1.00, 0.12, 0.00, 0.52
HSL	187°, 100%, 24%
HSV	187°, 100%, 48%
XYZ	8.9377, 12.1552, 20.6140
YIQ	77.4180, -69.1830, -18.2310

# Conversions

## Conversions Part 2

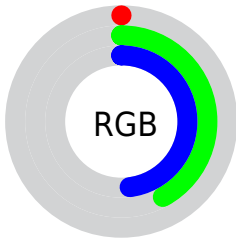
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 58, 123
Decimal	27771
CIELab	41.46, -20.31, -15.77
CIELCh	41, 25.713, 217.827
Yxy	12.1552, 0.2143, 0.2914
Android (android.graphics.Color)	4278217851 (0xFF006C7B)
YUV	77.4180, 22.4719, -67.8956
Hunter-Lab	34.8643, -15.2527, -10.6511

# Details

The Hex color **006C7B** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7B0F00**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **4EA0AF**, and **003C4A** is the 20% darker color. If you saturate the color by 10%, you get **006C7B**, and if you desaturate by 10%, it is **0C6E7B**.

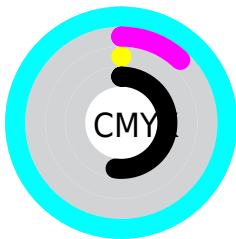
# Distribution



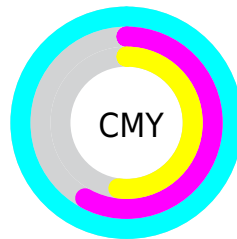
- Red (0%)
- Green (42%)
- Blue (48%)



- Red (0%)
- Yellow (23%)
- Blue (48%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (58%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006C7B 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 006C7B by changing the saturation by 10% instead.



 006C7B

 006C7B

FFFFFF

 005462

 4EA0AF

 003C4A

 6BBBCB

 002634

 87D7E7

 000C1F

 A3F3FF

 000003

 C0FFFF

 000000

 D0FFFF

 F0FFFF

 006C7B

 0C6E7B

 196F7B

 25717B

 31727B

 3E747B

 4A757B

 56777B

 62787B

 6F7A7B

# Harmonies

## Analogous

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



1A6D67



006C7B



266888

# Triad

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



006C7B



815472



6A6237

# Complementary

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



006C7B



7B0F00

# 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.



7D5B3B



006C7B



8A515D

# Square

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



006C7B



6B5A83



885449



536840

# Rectangle

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



006C7B



40648C



885449



716037



# Sweetspot

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



006C7B



709BA1



007B0E



344E52



D1D1D1



525252



# Same Dimension

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



006C7B



008DA1



002F7B



373C3D



006E7D



00DEFC



# Inverse Universe

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



7B006C



A1008D



7B4C00



3D373C



7D006E



FC00DE



# Previews

## White Background



This preview shows how the Hex color 006C7B looks on a white background.

### Color Contrast Check

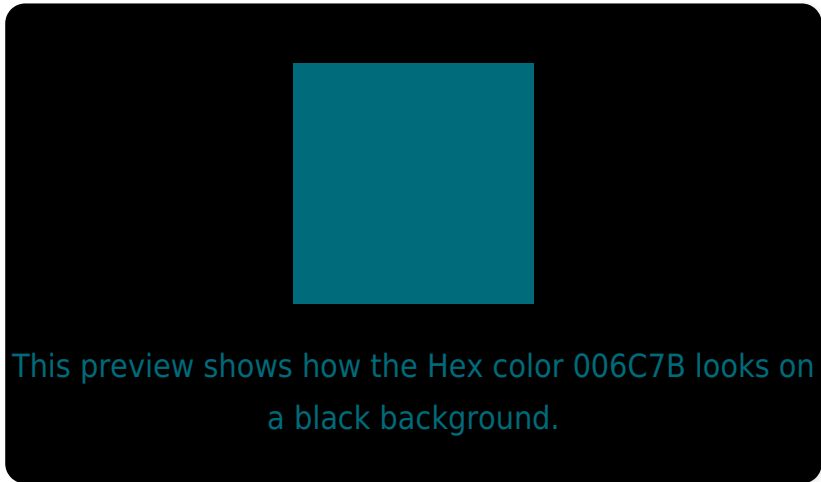
Large Text (above 18pt) WCAG AA ✓ Pass

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

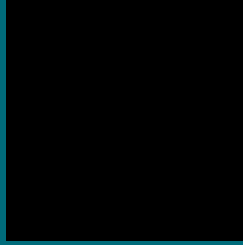
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006C7B Background



This preview shows how black text looks on a background with the Hex color 006C7B.

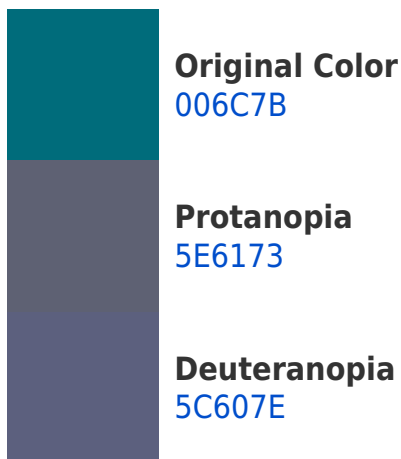


This preview shows how white text looks on a background with the Hex color 006C7B.

# 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](#).

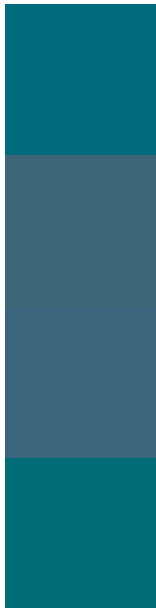
## Dichromacy





**Tritanopia**  
006D75

# Trichromacy



**Original Color**  
006C7B

**Protanomaly**  
3C6576

**Deuteranomaly**  
3B647D

**Tritanomaly**  
006D77

# Monochromacy



**Original Color**  
006C7B

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
31585E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006C7B 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 #006C7B looks like.

```
.text, #text, p{  
    color:#006C7B  
}
```

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 #006C7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006C7B
}
```

## Border

The CSS property to change the border of an element to Hex 006C7B 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
#006C7B }
```

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

```
.border{ border-color:#006C7B }
```

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

Here you see how a box with a 4 pixel #006C7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006C7B; -webkit-box-shadow:4px 4px  
4px 4px #006C7B; box-shadow:4px 4px 4px  
4px #006C7B }
```

# Background

The CSS property to change the background color of an element to Hex 006C7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006C7B }
```

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

```
.background{ background-color:#006C7B }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor