

# Converting Colors

Hex(007577)

Have a look what the booklet for  
Hex(007577) contains.

<b>Hex(007577)</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(007577)

# Conversions

## Conversions Part 1

Format	Color
Hex	007577
RGB	0, 117, 119
RGB Percent	0%, 46%, 47%
CMY	1.0000, 0.5412, 0.5333
CMYK	1.00, 0.02, 0.00, 0.53
HSL	181°, 100%, 23%
HSV	181°, 100%, 47%
XYZ	9.6911, 14.0545, 19.6548
YIQ	82.2450, -70.3740, -24.1820

# Conversions

## Conversions Part 2

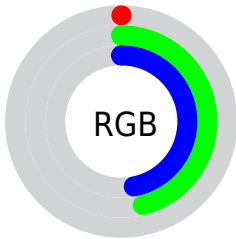
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 59, 119
Decimal	30071
CIELab	44.31, -26.37, -9.05
CIELCh	44, 27.883, 198.933
Yxy	14.0545, 0.2233, 0.3238
Android (android.graphics.Color)	4278220151 (0xFF007577)
YUV	82.2450, 18.1202, -72.1289
Hunter-Lab	37.4893, -19.4637, -4.8418

# Details

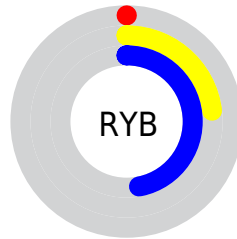
The Hex color **007577** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **770200**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **4FAAAB**, and **004447** is the 20% darker color. If you saturate the color by 10%, you get **007577**, and if you desaturate by 10%, it is **0C7577**.

# Distribution



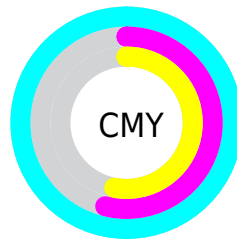
- Red (0%)
- Green (46%)
- Blue (47%)



- Red (0%)
- Yellow (23%)
- Blue (47%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (54%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007577 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 007577 by changing the saturation by 10% instead.



007577

007577

FFFFFF

005C5E

4FAAAB

004447

6CC5C6

002D30

88E1E2

00191C

A4FEFF

000000

C1FFFF

DFFFFFF

FCFFFF

007577

■ 0C7577

■ 187577

■ 247677

■ 307677

■ 3B7677

■ 477677

■ 537677

■ 5F7777

■ 6B7777

# Harmonies

## Analogous

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



2F755F



007577



00738B

# Triad

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



007577



7D5D87



7F643B

# Complementary

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



007577



770200

# 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.



8F5C47



007577



905772

# Square

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



007577



5F6694



96575B



696C3C

# Rectangle

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



007577



267094



96575B



86623E



# Sweetspot

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



007577



6D9B9C



007702



334F4F



CFCFCF



4F4F4F



# Same Dimension

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



007577



00999C



003A77



353B3B



00787A



00F6FA



# Inverse Universe

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



770075



9C0099



773D00



3B353B



7A0078



FA00F6



# Previews

## White Background



This preview shows how the Hex color 007577 looks on a white background.

## Color Contrast Check

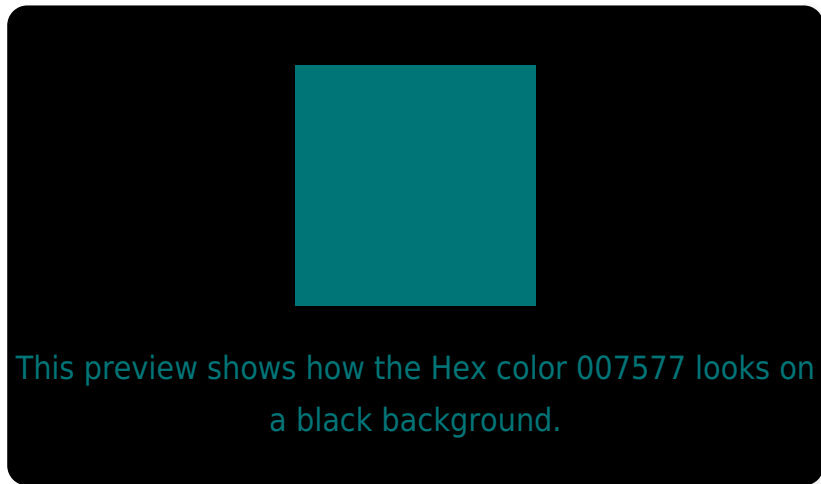
Large Text (above 18pt) WCAG AA ✓ Pass

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

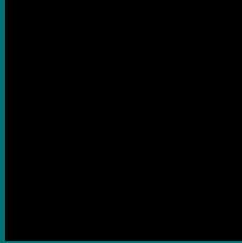
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007577 Background



This preview shows how black text looks on a background with the Hex color 007577.

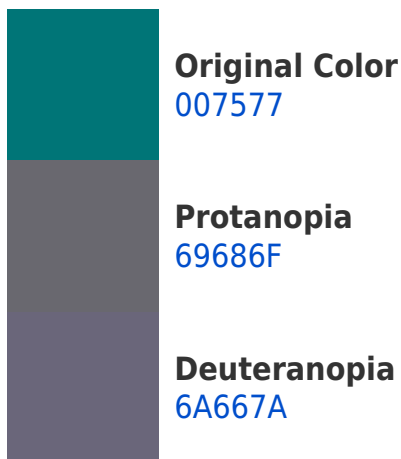


This preview shows how white text looks on a background with the Hex color 007577.

# 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](#).

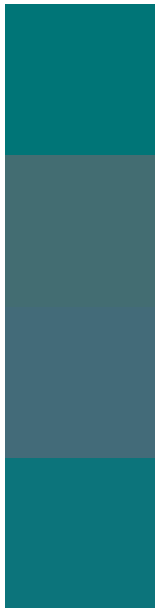
## Dichromacy





**Tritanopia**  
13747D

# Trichromacy



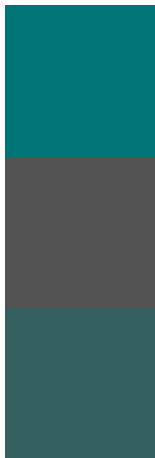
**Original Color**  
007577

**Protanomaly**  
436D72

**Deuteranomaly**  
436B79

**Tritanomaly**  
0C747B

# Monochromacy



**Original Color**  
007577

**Achromatopsia**  
525252

**Achromatomaly**  
345F5F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007577 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 #007577 looks like.

```
.text, #text, p{  
    color:#007577  
}
```

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 #007577 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007577
}
```

## Border

The CSS property to change the border of an element to Hex 007577 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
#007577 }
```

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

```
.border{ border-color:#007577 }
```

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

Here you see how a box with a 4 pixel #007577 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007577; -webkit-box-shadow:4px 4px  
4px 4px #007577; box-shadow:4px 4px 4px  
4px #007577 }
```

# Background

The CSS property to change the background color of an element to Hex 007577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007577 }
```

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

```
.background{ background-color:#007577 }
```

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