

# Converting Colors

Hex(096E77)

Have a look what the booklet for  
Hex(096E77) contains.

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# Color

**Hex(096E77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	096E77
RGB	9, 110, 119
RGB Percent	4%, 43%, 47%
CMY	0.9647, 0.5686, 0.5333
CMYK	0.92, 0.08, 0.00, 0.53
HSL	185°, 86%, 25%
HSV	185°, 92%, 47%
XYZ	9.0184, 12.5418, 19.3983
YIQ	80.8270, -63.0850, -18.6130

# Conversions

## Conversions Part 2

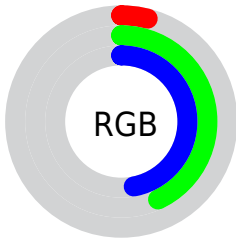
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 62, 119
Decimal	618103
CIELab	42.06, -22.23, -12.43
CIELCh	42, 25.465, 209.207
Yxy	12.5418, 0.2202, 0.3062
Android (android.graphics.Color)	4278808183 (0xFF096E77)
YUV	80.8270, 18.8193, -62.9923
Hunter-Lab	35.4145, -16.5200, -7.6859

# Details

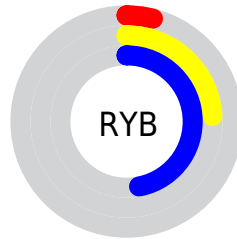
The Hex color **096E77** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **771209**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **50A2AB**, and **003E47** is the 20% darker color. If you saturate the color by 10%, you get **006D77**, and if you desaturate by 10%, it is **156F77**.

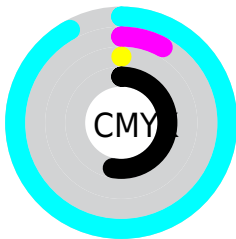
# Distribution



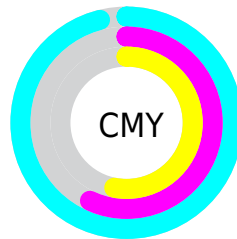
- Red (4%)
- Green (43%)
- Blue (47%)



- Red (4%)
- Yellow (24%)
- Blue (47%)



- Cyan (92%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (96%)
- Magenta (57%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 096E77 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 096E77 by changing the saturation by 10% instead.





096E77



096E77

FFFFFF



00555E



50A2AB



003E47



6CBDC6



002830



88D9E2



000F1C



A5F6FF



000000



C1FFFF



DFFFFFF



FCFFFF



096E77



096E77

■ 006D77

■ 156F77

■ 217077

■ 2D7177

■ 397277

■ 447377

■ 507477

■ 5C7577

■ 687677

■ 747777

# Harmonies

## Analogous

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



266E62



096E77



1E6B87

# Triad

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



096E77



7D5779



726239

# Complementary

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



096E77



771209

# 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.



825B40



096E77



8A5365

# Square

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



096E77



655E88



8B5550



5C683E

# Rectangle

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



096E77



38688C



8B5550



785F3A



# Sweetspot

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



096E77



70989C



097710



344D4F



CFCFCF



4F4F4F



# Same Dimension

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



096E77



008F9C



093977



353A3B



00707A



00E5FA



# Inverse Universe

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



77096E



9C008F



774709



3B353A



7A0070



FA00E5



# Previews

## White Background



This preview shows how the Hex color 096E77 looks on a white background.

## Color Contrast Check

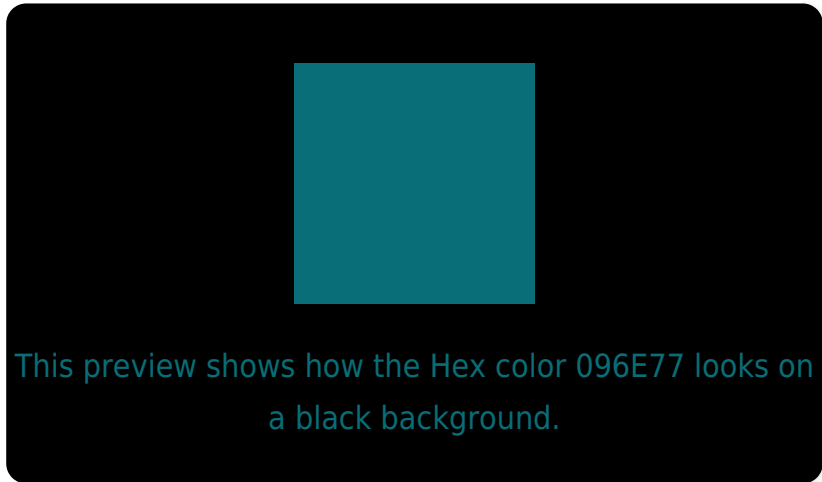
Large Text (above 18pt) WCAG AA ✓ Pass

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

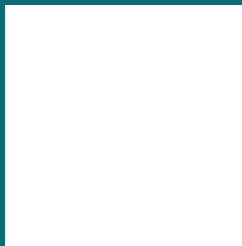
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 096E77 Background



This preview shows how black text looks on a background with the Hex color 096E77.

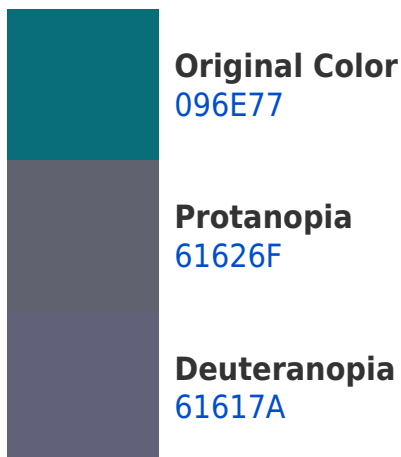


This preview shows how white text looks on a background with the Hex color 096E77.

# 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](#).

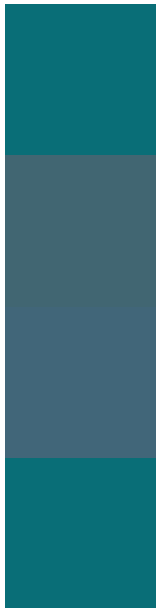
## Dichromacy





**Tritanopia**  
096E77

# Trichromacy



**Original Color**  
096E77

**Protanomaly**  
416672

**Deuteranomaly**  
416679

**Tritanomaly**  
096E77

# Monochromacy



**Original Color**  
096E77

**Achromatopsia**  
515151

**Achromatomaly**  
375C5F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 096E77 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 #096E77 looks like.

```
.text, #text, p{  
    color:#096E77  
}
```

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 #096E77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #096E77
}
```

## Border

The CSS property to change the border of an element to Hex 096E77 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
#096E77 }
```

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

```
.border{ border-color:#096E77 }
```

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

Here you see how a box with a 4 pixel #096E77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #096E77; -webkit-box-shadow:4px 4px  
4px 4px #096E77; box-shadow:4px 4px 4px  
4px #096E77 }
```

# Background

The CSS property to change the background color of an element to Hex 096E77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#096E77 }
```

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

```
.background{ background-color:#096E77 }
```

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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