

# Converting Colors

Hex(006178)

Have a look what the booklet for  
Hex(006178) contains.

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# Color

**Hex(006178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006178
RGB	0, 97, 120
RGB Percent	0%, 38%, 47%
CMY	1.0000, 0.6196, 0.5294
CMYK	1.00, 0.19, 0.00, 0.53
HSL	192°, 100%, 24%
HSV	192°, 100%, 47%
XYZ	7.6649, 9.9055, 19.2773
YIQ	70.6190, -65.1950, -13.4110

# Conversions

## Conversions Part 2

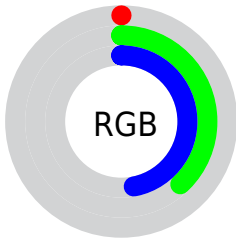
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 54, 120
Decimal	24952
CIELab	37.67, -15.33, -19.76
CIELCh	38, 25.011, 232.208
Yxy	9.9055, 0.2080, 0.2688
Android (android.graphics.Color)	4278215032 (0xFF006178)
YUV	70.6190, 24.3448, -61.9329
Hunter-Lab	31.4729, -11.6061, -14.2842

# Details

The Hex color **006178** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **781700**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **4C94AC**, and **003247** is the 20% darker color. If you saturate the color by 10%, you get **006178**, and if you desaturate by 10%, it is **0C6378**.

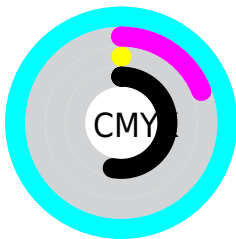
# Distribution



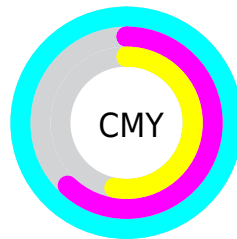
- Red (0%)
- Green (38%)
- Blue (47%)



- Red (0%)
- Yellow (21%)
- Blue (47%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (62%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006178 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 006178 by changing the saturation by 10% instead.



006178

006178

FFFFFF

00495F

4C94AC

003247

68AEC8

001E31

84CAE4

00021C

A0E6FF

000000

BDFFFF

DAFFFF

F7FFFF

006178

■ 0C6378

■ 186678

■ 246878

■ 306A78

■ 3C6D78

■ 486F78

■ 547178

■ 607378

■ 6C7678

# Harmonies

## Analogous

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



006367



006178



305C80

# Triad

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



006178



7C495F



575C32

# Complementary

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



006178



781700

# 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.



6A5630



006178



804A4A

# Square

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



006178



6D4E72



794F39



3F613F

# Rectangle

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



006178



485880



794F39



5E5A30



# Sweetspot

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



006178



6D939C



007816



334A4F



CFCFCF



4F4F4F



# Same Dimension

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



006178



007E9C



002678



373C3D



00657D



00CCFC



# Inverse Universe

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



780061



9C007E



785200



3D373C



7D0065



FC00CC



# Previews

## White Background



This preview shows how the Hex color 006178 looks on a white background.

## Color Contrast Check

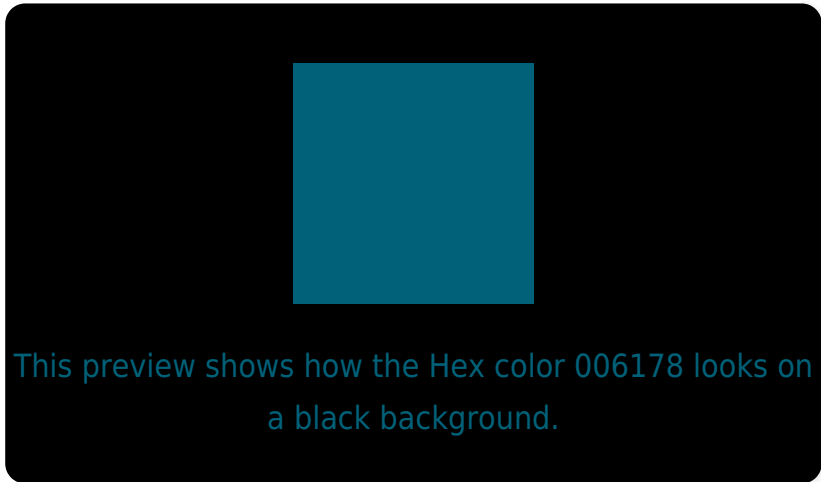
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

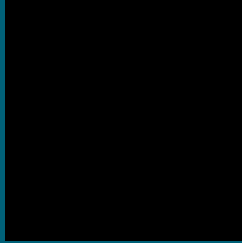
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006178 Background



This preview shows how black text looks on a background with the Hex color 006178.

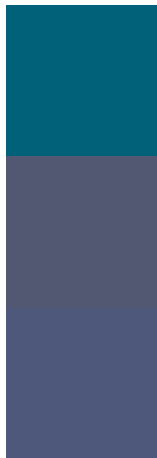


This preview shows how white text looks on a background with the Hex color 006178.

# 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**  
006178

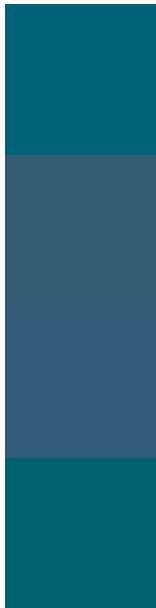
**Protanopia**  
525871

**Deuteranopia**  
4E587A



**Tritanopia**  
00636A

# Trichromacy



**Original Color**  
006178

**Protanomaly**  
345B74

**Deuteranomaly**  
325B79

**Tritanomaly**  
00626F

# Monochromacy



**Original Color**  
006178

**Achromatopsia**  
474747

**Achromatomaly**  
2D5059

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006178 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 #006178 looks like.

```
.text, #text, p{  
    color:#006178  
}
```

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 #006178 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006178
}
```

## Border

The CSS property to change the border of an element to Hex 006178 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
#006178 }
```

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

```
.border{ border-color:#006178 }
```

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

Here you see how a box with a 4 pixel #006178 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006178; -webkit-box-shadow:4px 4px  
4px 4px #006178; box-shadow:4px 4px 4px  
4px #006178 }
```

# Background

The CSS property to change the background color of an element to Hex 006178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006178 }
```

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

```
.background{ background-color:#006178 }
```

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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