

# Converting Colors

Hex(0C5B78)

Have a look what the booklet for  
Hex(0C5B78) contains.

<b>Hex(0C5B78)</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(0C5B78)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C5B78
RGB	12, 91, 120
RGB Percent	5%, 36%, 47%
CMY	0.9529, 0.6431, 0.5294
CMYK	0.90, 0.24, 0.00, 0.53
HSL	196°, 82%, 26%
HSV	196°, 90%, 47%
XYZ	7.2829, 8.9164, 19.1065
YIQ	70.6850, -56.3930, -7.7290

# Conversions

## Conversions Part 2

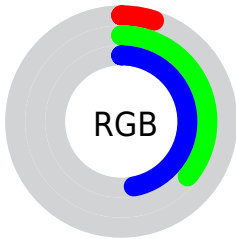
Format	Color
R <sub>Y</sub> B	12, 58, 120
Decimal	809848
CIE Lab	35.82, -11.01, -22.62
CIE LCh	36, 25.156, 244.057
Yxy	8.9164, 0.2063, 0.2525
Android (android.graphics.Color)	4278999928 (0xFF0C5B78)
YUV	70.6850, 24.3123, -51.4667
Hunter-Lab	29.8603, -8.7198, -17.0352

# Details

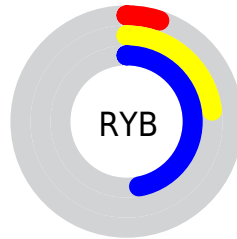
The Hex color **0C5B78** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **78290C**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **4F8DAC**, and **002D47** is the 20% darker color. If you saturate the color by 10%, you get **005878**, and if you desaturate by 10%, it is **185E78**.

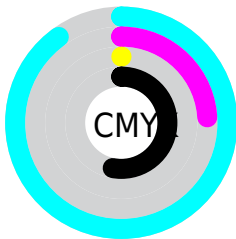
# Distribution



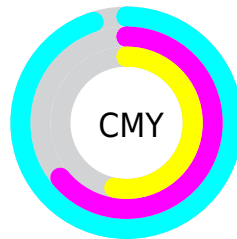
- Red (5%)
- Green (36%)
- Blue (47%)



- Red (5%)
- Yellow (23%)
- Blue (47%)



- Cyan (90%)
- Magenta (24%)
- Yellow (0%)
- Black (53%)



- Cyan (95%)
- Magenta (64%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C5B78 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 0C5B78 by changing the saturation by 10% instead.



 0C5B78

 0C5B78

FFFFFF

 00445F

 4F8DAC

 002D47

 6BA8C8

 001931

 86C3E4

 00011C

 A2DFFF

 000000

 BFFBFF

 DCFFFF

 F9FFFF

 0C5B78

 0C5B78

■ 005878

■ 185E78

■ 246178

■ 306578

■ 3C6878

■ 486B78

■ 546E78

■ 607278

■ 6C7578

■ 787878

# Harmonies

## Analogous

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



005E6A



0C5B78



3A557C

# Triad

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



0C5B78



7A4452



495A32

# Complementary

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



0C5B78



78290C

# 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.



5E542B



0C5B78



7A473F

# Square

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



0C5B78



704766



6F4D30



305D42

# Rectangle

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



0C5B78



505179



6F4D30



51582F



# Sweetspot

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



0C5B78



72909C



0C7829



36484F



CFCFCF



4F4F4F



# Same Dimension

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



0C5B78



00729C



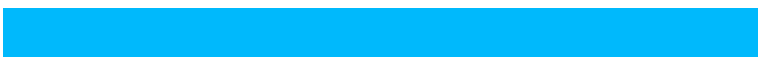
0C2578



373C3D



005B7D



00B9FC



# Inverse Universe

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



780C5B



9C0072



785F0C



3D373C



7D005B



FC00B9



# Previews

## White Background



This preview shows how the Hex color 0C5B78 looks on a white background.

## Color Contrast Check

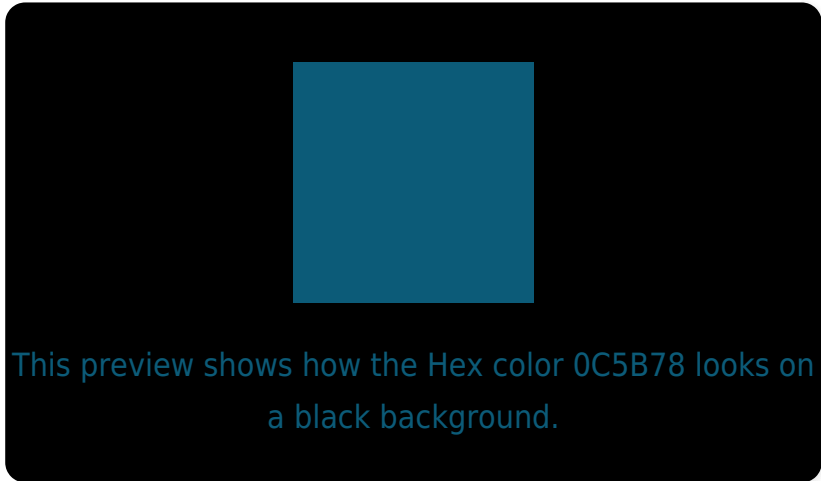
Large Text (above 18pt) WCAG AA ✓ Pass

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

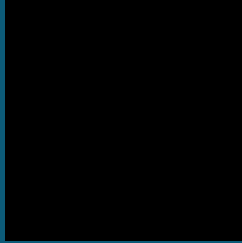
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C5B78 Background



This preview shows how black text looks on a background with the Hex color 0C5B78.




This preview shows how white text looks on a background with the Hex color 0C5B78.

# 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](#).

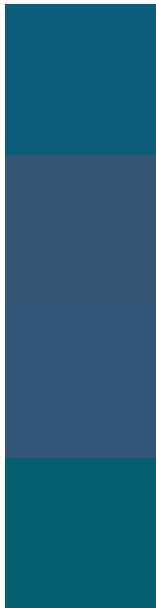
## Dichromacy





**Tritanopia**  
005E65

# Trichromacy



**Original Color**  
0C5B78

**Protanomaly**  
345674

**Deuteranomaly**  
305679

**Tritanomaly**  
045D6C

# Monochromacy



**Original Color**  
0C5B78

**Achromatopsia**  
474747

**Achromatomaly**  
324E59

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C5B78 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 #0C5B78 looks like.

```
.text, #text, p{  
    color:#0C5B78  
}
```

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 #0C5B78 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C5B78
}
```

## Border

The CSS property to change the border of an element to Hex 0C5B78 is called "border". The border property can be set on classes, ids or directly on the HTML element.

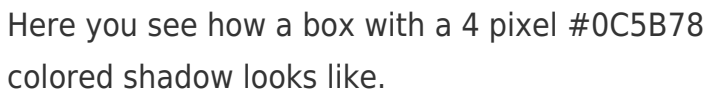
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0C5B78 }
```

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

```
.border{ border-color:#0C5B78 }
```

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



Here you see how a box with a 4 pixel #0C5B78 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C5B78; -webkit-box-shadow:4px 4px  
4px 4px #0C5B78; box-shadow:4px 4px 4px  
4px #0C5B78 }
```

# Background

The CSS property to change the background color of an element to Hex 0C5B78 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C5B78 }
```

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

```
.background{ background-color:#0C5B78 }
```

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