

# Converting Colors

Hex(0C75A8)

Have a look what the booklet for  
Hex(0C75A8) contains.

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# Color

**Hex(0C75A8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C75A8
RGB	12, 117, 168
RGB Percent	5%, 46%, 66%
CMY	0.9529, 0.5412, 0.3412
CMYK	0.93, 0.30, 0.00, 0.34
HSL	200°, 87%, 35%
HSV	200°, 93%, 66%
XYZ	13.5808, 15.6279, 39.3465
YIQ	91.4190, -78.9510, -6.3990

# Conversions

## Conversions Part 2

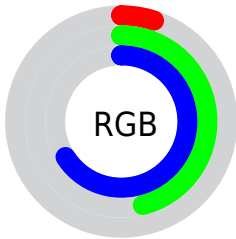
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 75, 168
Decimal	816552
CIE <sub>Lab</sub>	46.48, -7.92, -34.73
CIE <sub>LCh</sub>	46, 35.620, 257.145
Yxy	15.6279, 0.1981, 0.2280
Android (android.graphics.Color)	4279006632 (0xFF0C75A8)
YUV	91.4190, 37.7544, -69.6505
Hunter-Lab	39.5321, -7.8597, -31.3391

# Details

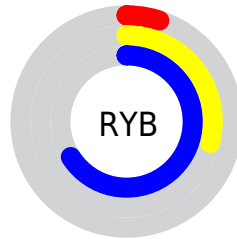
The Hex color **0C75A8** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A83F0C**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5CA9DF**, and **004574** is the 20% darker color. If you saturate the color by 10%, you get **0071A8**, and if you desaturate by 10%, it is **1D7AA8**.

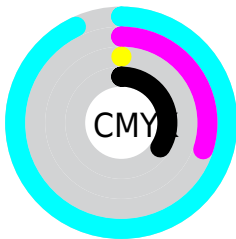
# Distribution



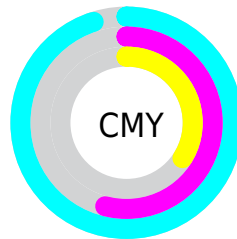
- Red (5%)
- Green (46%)
- Blue (66%)



- Red (5%)
- Yellow (29%)
- Blue (66%)



- Cyan (93%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)



- Cyan (95%)
- Magenta (54%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C75A8 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 0C75A8 by changing the saturation by 10% instead.



0C75A8

0C75A8

FFFFFF

005C8D

5CA9DF

004574

7AC4FC

002F5B

97E0FF

001B43

B5FDFF

00032C

D2FFFF

000117

F0FFFF

000000

0C75A8

0C75A8

0071A8

1D7AA8

■ 2E80A8

■ 3E85A8

■ 4F8BA8

■ 6090A8

■ 7196A8

■ 829BA8

■ 92A1A8

■ A3A6A8

# Harmonies

## Analogous

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



007B99



0C75A8



5C6BA7

# Triad

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



0C75A8



A7565E



4D7944

# Complementary

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



0C75A8



A83F0C

# 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.



6F7233



0C75A8



9F5D44

# Square

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



0C75A8



9F577C



8B6833



1A7D60

# Rectangle

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



0C75A8



7A649E



8B6833



59773D



# Sweetspot

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



0C75A8



9EC7DB



0CA83D



48616E



EDEDED



6E6E6E



# Same Dimension

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



0C75A8



0094DB



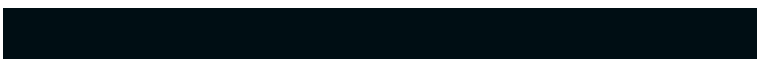
0C29A8



4C5154



006494



000E14



# Inverse Universe

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



A80C75



DB0094



A88B0C



544C51



940064



14000E



# Previews

## White Background



This preview shows how the Hex color 0C75A8 looks on a white background.

## Color Contrast Check

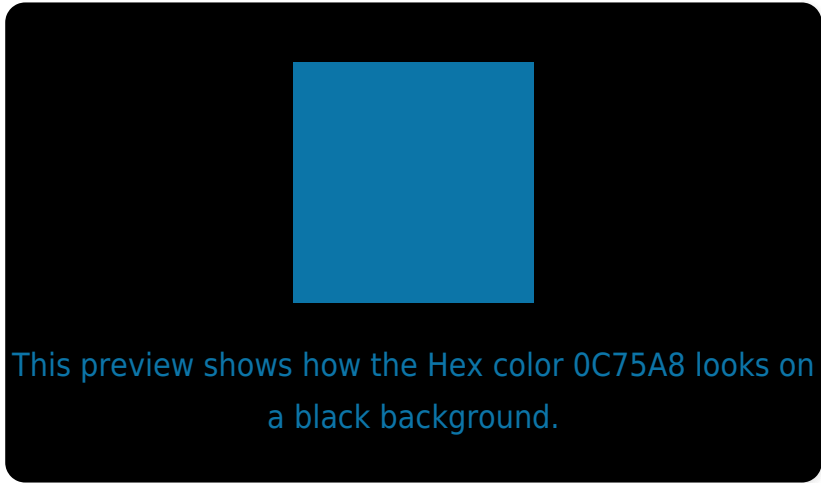
Large Text (above 18pt) WCAG AA ✓ Pass

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

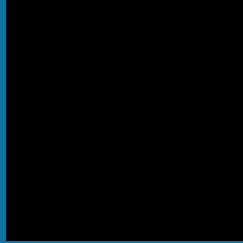
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C75A8 Background



This preview shows how black text looks on a background with the Hex color 0C75A8.

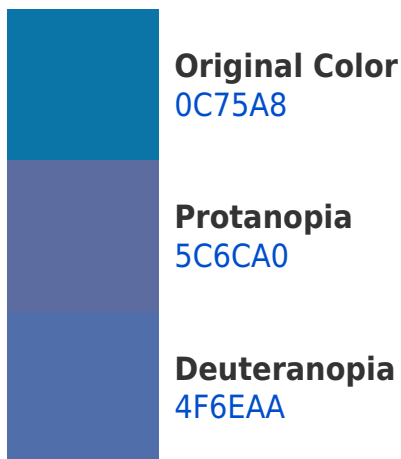


This preview shows how white text looks on a background with the Hex color 0C75A8.

# 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](#).

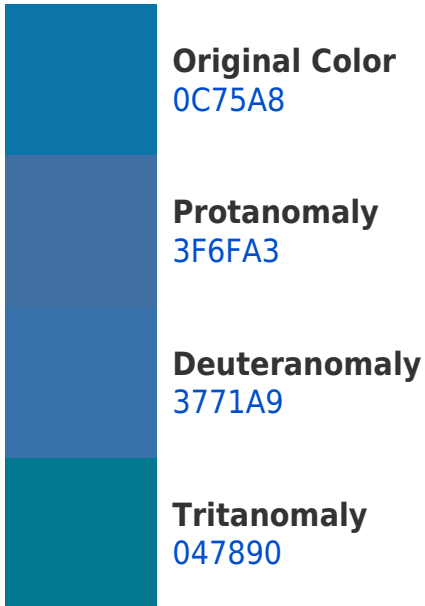
## Dichromacy



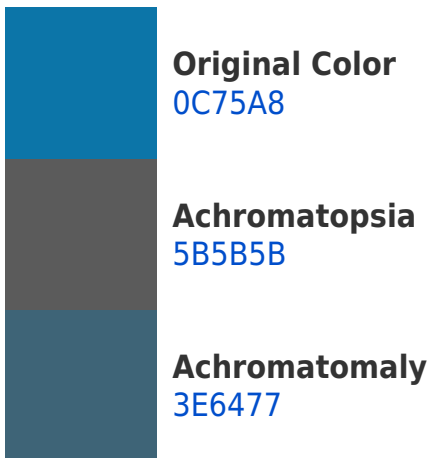


**Tritanopia**  
007A83

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C75A8 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 #0C75A8 looks like.

```
.text, #text, p{  
    color:#0C75A8  
}
```

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 #0C75A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C75A8
}
```

## Border

The CSS property to change the border of an element to Hex 0C75A8 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
#0C75A8 }
```

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

```
.border{ border-color:#0C75A8 }
```

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

Here you see how a box with a 4 pixel #0C75A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C75A8; -webkit-box-shadow:4px 4px  
4px 4px #0C75A8; box-shadow:4px 4px 4px  
4px #0C75A8 }
```

# Background

The CSS property to change the background color of an element to Hex 0C75A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C75A8 }
```

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

```
.background{ background-color:#0C75A8 }
```

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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