

# Converting Colors

Hex(0075A1)

Have a look what the booklet for  
Hex(0075A1) contains.

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# Color

**Hex(0075A1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0075A1
RGB	0, 117, 161
RGB Percent	0%, 46%, 63%
CMY	1.0000, 0.5412, 0.3686
CMYK	1.00, 0.27, 0.00, 0.37
HSL	196°, 100%, 32%
HSV	196°, 100%, 63%
XYZ	12.7943, 15.2958, 35.9963
YIQ	87.0330, -83.8560, -11.1200

# Conversions

## Conversions Part 2

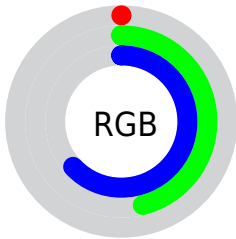
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 161
Decimal	30113
CIELab	46.04, -11.15, -31.33
CIELCh	46, 33.257, 250.411
Yxy	15.2958, 0.1996, 0.2387
Android (android.graphics.Color)	4278220193 (0xFF0075A1)
YUV	87.0330, 36.4657, -76.3279
Hunter-Lab	39.1098, -10.0481, -27.1930

# Details

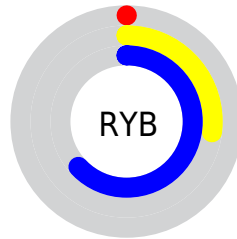
The Hex color **0075A1** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A12C00**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **57A9D8**, and **00456D** is the 20% darker color. If you saturate the color by 10%, you get **0075A1**, and if you desaturate by 10%, it is **1079A1**.

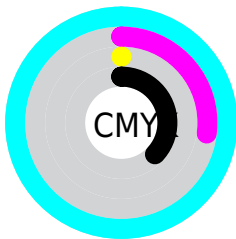
# Distribution



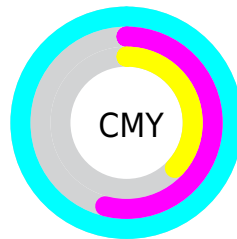
- Red (0%)
- Green (46%)
- Blue (63%)



- Red (0%)
- Yellow (27%)
- Blue (63%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (54%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0075A1 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 0075A1 by changing the saturation by 10% instead.



 0075A1

 0075A1

FFFFFF

 005C87

 57A9D8

 00456D

 75C4F5

 002F55

 93E0FF

 001B3D

 B0FDFE

 000327

 CEFFFF

 000110

 ECFEFC

 000000

 0075A1

 1079A1

 207EA1

 3082A1

 4087A1

 518BA1

 618FA1

 7194A1

 8198A1

 919DA1

# Harmonies

## Analogous

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



007A90



0075A1



526DA4

# Triad

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



0075A1



A25664



567641

# Complementary

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



0075A1



A12C00

# 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.



756F35



0075A1



9E5B4A

# Square

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



0075A1



975980



8D6538



307A59

# Rectangle

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



0075A1



70669D



8D6538



61743C



# Sweetspot

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



0075A1



92C0D1



00A12B



435E69



E8E8E8



696969



# Same Dimension

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



0075A1



0098D1



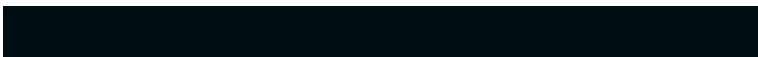
0026A1



494F52



006A91



000D12



# Inverse Universe

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



A10075



D10098



A17B00



52494F



91006A



12000D



# Previews

## White Background



This preview shows how the Hex color 0075A1 looks on a white background.

## Color Contrast Check

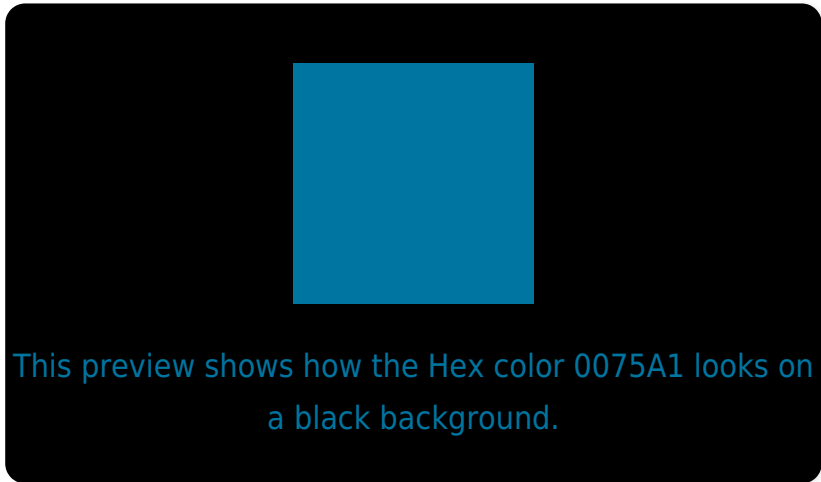
Large Text (above 18pt) WCAG AA ✓ Pass

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

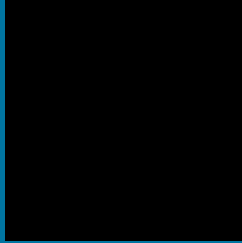
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0075A1 Background



This preview shows how black text looks on a background with the Hex color 0075A1.

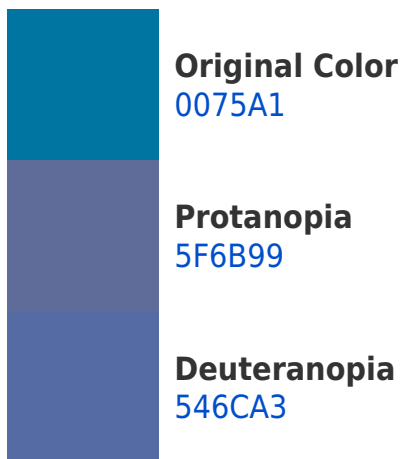


This preview shows how white text looks on a background with the Hex color 0075A1.

# Color Blindness Simulation

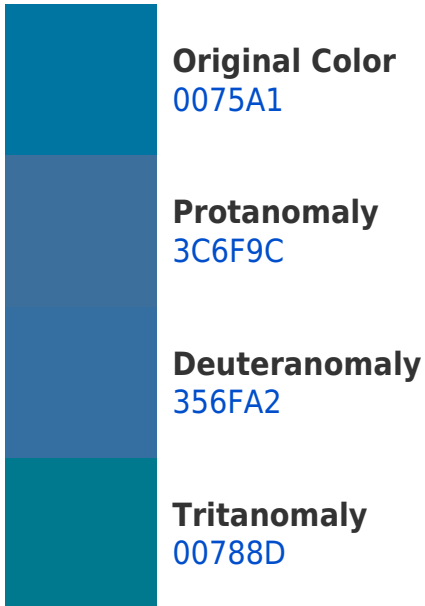
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

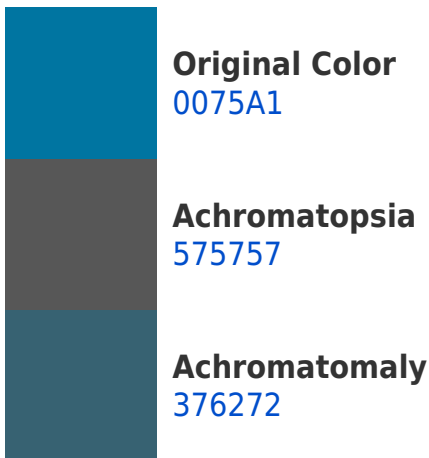




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0075A1 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 #0075A1 looks like.

```
.text, #text, p{  
    color:#0075A1  
}
```

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 #0075A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0075A1
}
```

## Border

The CSS property to change the border of an element to Hex 0075A1 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
#0075A1 }
```

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

```
.border{ border-color:#0075A1 }
```

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

Here you see how a box with a 4 pixel #0075A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0075A1; -webkit-box-shadow:4px 4px  
4px 4px #0075A1; box-shadow:4px 4px 4px  
4px #0075A1 }
```

# Background

The CSS property to change the background color of an element to Hex 0075A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0075A1 }
```

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

```
.background{ background-color:#0075A1 }
```

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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