

# Converting Colors

Hex(0159A0)

Have a look what the booklet for  
Hex(0159A0) contains.

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# Color

Hex(0159A0)

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 0159A0                    |
| RGB         | 1, 89, 160                |
| RGB Percent | 0%, 35%, 63%              |
| CMY         | 0.9961, 0.6510, 0.3725    |
| CMYK        | 0.99, 0.44, 0.00, 0.37    |
| HSL         | 207°, 99%, 32%            |
| HSV         | 207°, 99%, 63%            |
| XYZ         | 9.9301, 9.6893, 34.6046   |
| YIQ         | 70.7820, -75.2390, 3.4250 |

# Conversions

## Conversions Part 2

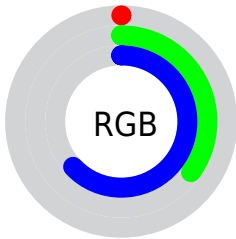
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 1, 58, 160                    |
| Decimal                             | 88480                         |
| CIE <sub>Lab</sub>                  | 37.28, 5.84, -44.63           |
| CIE <sub>LCh</sub>                  | 37, 45.006, 277.457           |
| Yxy                                 | 9.6893, 0.1831,<br>0.1787     |
| Android<br>(android.graphics.Color) | 4278278560<br>(0xFF0159A0)    |
| YUV                                 | 70.7820, 43.9845,<br>-61.1988 |
| Hunter-Lab                          | 31.1276, 2.4702,<br>-44.1234  |

# Details

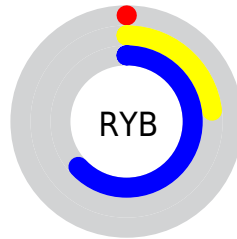
The Hex color **0159A0** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A04801**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **568AD7**, and **002D6C** is the 20% darker color. If you saturate the color by 10%, you get **0059A0**, and if you desaturate by 10%, it is **1160A0**.

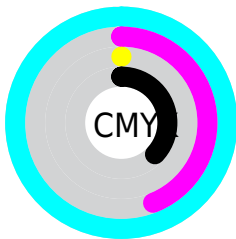
# Distribution



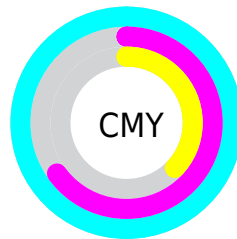
- Red (0%)
- Green (35%)
- Blue (63%)



- Red (0%)
- Yellow (23%)
- Blue (63%)



- Cyan (99%)
- Magenta (44%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (65%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0159A0 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 0159A0 by changing the saturation by 10% instead.



0159A0

0159A0

FFFFFF

004285

568AD7

002D6C

74A5F4

001953

91C0FF

00063B

AFDBFF

000225

CCF8FF

00010D

EAFFFF

000000

0159A0

0159A0

0059A0

1160A0

■ 2167A0

■ 316EA0

■ 4176A0

■ 517DA0

■ 6184A0

■ 718BA0

■ 8192A0

■ 9199A0

# Harmonies

## Analogous

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



00639B



0159A0



644A92

# Triad

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



0159A0



933C2D



00673A

# Complementary

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



0159A0



A04801

# 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.



3A6218



0159A0



7F4C0F

# Square

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



0159A0



993350



615900



006960

# Rectangle

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



0159A0



803F7F



615900



0C662E



# Sweetspot

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



0159A0



92B5D1



01A046



435869



E8E8E8



696969



# Same Dimension

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



0159A0



0074D1



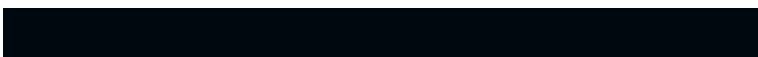
010CA0



474C4F



004F8F



00080F



# Inverse Universe

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



A00159



D10074



A09501



4F474C



8F004F



0F0008



# Previews

## White Background



This preview shows how the Hex color 0159A0 looks on a white background.

## Color Contrast Check

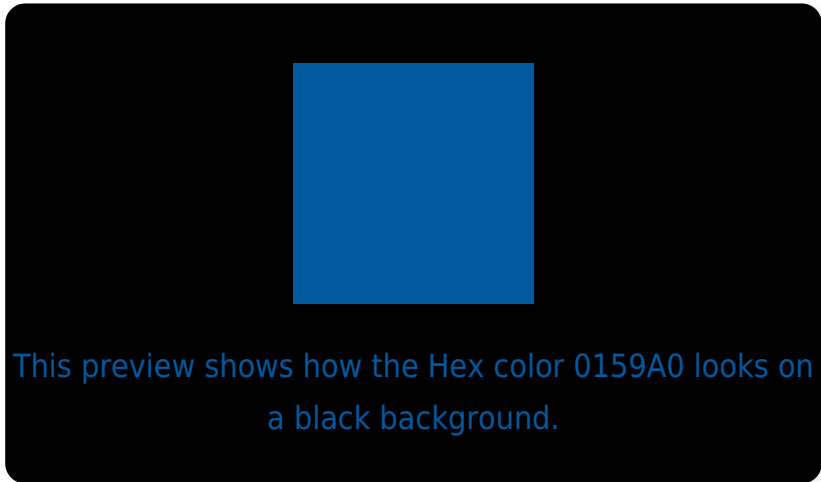
Large Text (above 18pt) WCAG AA ✓ Pass

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

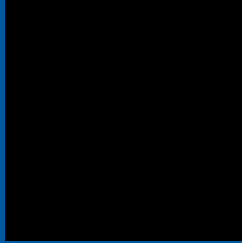
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0159A0 Background



This preview shows how black text looks on a background with the Hex color 0159A0.



This preview shows how white text looks on a background with the Hex color 0159A0.

# 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



**Original Color**  
0159A0

**Protanomaly**  
23569D

**Deuteranomaly**  
00599F

**Tritanomaly**  
005F7C

# Monochromacy



**Original Color**  
0159A0

**Achromatopsia**  
474747

**Achromatomaly**  
2E4E67

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0159A0 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 #0159A0 looks like.

```
.text, #text, p{  
    color:#0159A0  
}
```

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 #0159A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0159A0
}
```

## Border

The CSS property to change the border of an element to Hex 0159A0 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
#0159A0 }
```

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

```
.border{ border-color:#0159A0 }
```

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

Here you see how a box with a 4 pixel #0159A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0159A0; -webkit-box-shadow:4px 4px  
4px 4px #0159A0; box-shadow:4px 4px 4px  
4px #0159A0 }
```

# Background

The CSS property to change the background color of an element to Hex 0159A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0159A0 }
```

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

```
.background{ background-color:#0159A0 }
```

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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