

# Converting Colors

Hex(0157A6)

Have a look what the booklet for  
Hex(0157A6) contains.

<b>Hex(0157A6)</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(0157A6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0157A6
RGB	1, 87, 166
RGB Percent	0%, 34%, 65%
CMY	0.9961, 0.6588, 0.3490
CMYK	0.99, 0.48, 0.00, 0.35
HSL	209°, 99%, 33%
HSV	209°, 99%, 65%
XYZ	10.3036, 9.5760, 37.3817
YIQ	70.2920, -76.6150, 6.3370

# Conversions

## Conversions Part 2

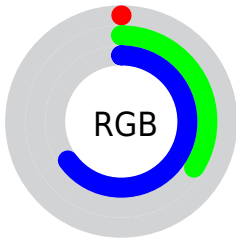
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 58, 166
Decimal	87974
CIE <sub>Lab</sub>	37.07, 9.66, -48.54
CIE <sub>LCh</sub>	37, 49.494, 281.250
Yxy	9.5760, 0.1799, 0.1672
Android (android.graphics.Color)	4278278054 (0xFF0157A6)
YUV	70.2920, 47.1840, -60.7691
Hunter-Lab	30.9451, 5.2802, -49.9606

# Details

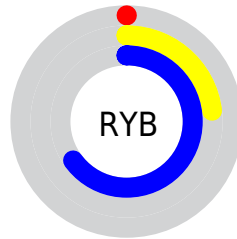
The Hex color **0157A6** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **A65001**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **5888DE**, and **002B71** is the 20% darker color. If you saturate the color by 10%, you get **0057A6**, and if you desaturate by 10%, it is **125FA6**.

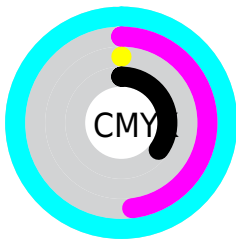
# Distribution



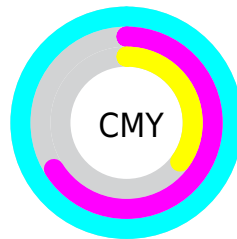
- Red (0%)
- Green (34%)
- Blue (65%)



- Red (0%)
- Yellow (23%)
- Blue (65%)



- Cyan (99%)
- Magenta (48%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (66%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0157A6 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 0157A6 by changing the saturation by 10% instead.



0157A6

0157A6

FFFFFF

00408B

5888DE

002B71

76A2FB

001858

94BDFF

000740

B1D9FF

000329

CFF5FF

000113

EDFFFF

000000

0157A6

0157A6

0057A6

125FA6

■ 2267A6

■ 336FA6

■ 4377A6

■ 547FA6

■ 6587A6

■ 758FA6

■ 8697A6

■ 969FA6

# Harmonies

## Analogous

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



0063A3



0157A6



6B4594

# Triad

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



0157A6



953A24



00683C

# Complementary

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



0157A6



A65001

# 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.



2E6313



0157A6



7E4C00

# Square

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



0157A6



9E2C4A



5C5A00



006966

# Rectangle

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



0157A6



88387E



5C5A00



00672E



# Sweetspot

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



0157A6



98BAD9



01A64E



465B6E



EDEDED



6E6E6E



# Same Dimension

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



0157A6



0071D9



0106A6



4C5054



004D94



000B14



# Inverse Universe

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



A60157



D90071



A6A101



544C50



94004D



14000B



# Previews

## White Background



This preview shows how the Hex color 0157A6 looks on a white background.

## Color Contrast Check

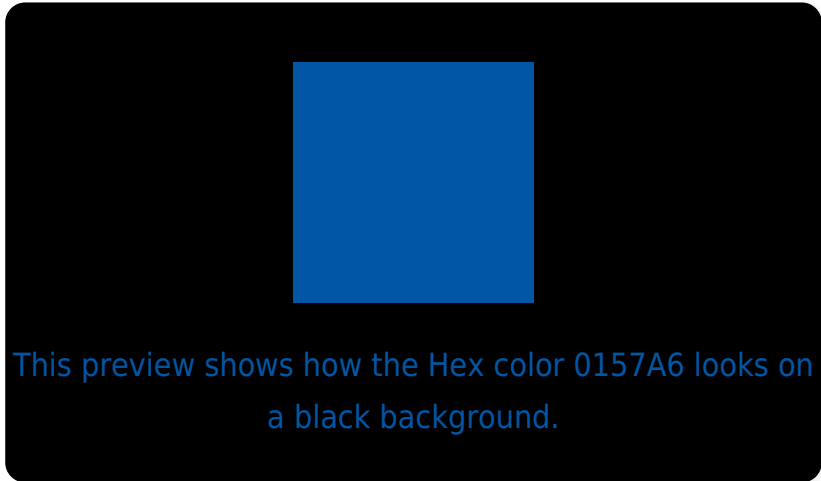
Large Text (above 18pt) WCAG AA ✓ Pass

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

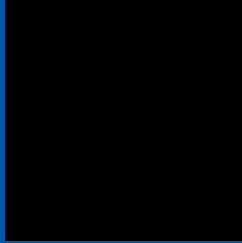
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0157A6 Background



This preview shows how black text looks on a background with the Hex color 0157A6.

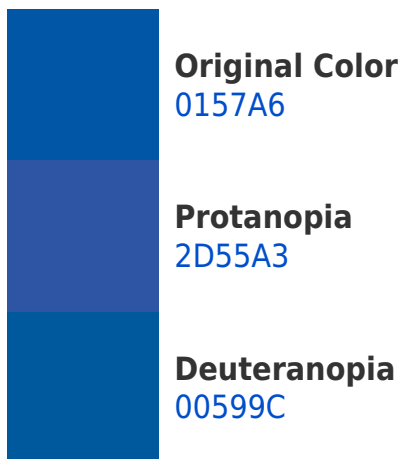


This preview shows how white text looks on a background with the Hex color 0157A6.

# Color Blindness Simulation

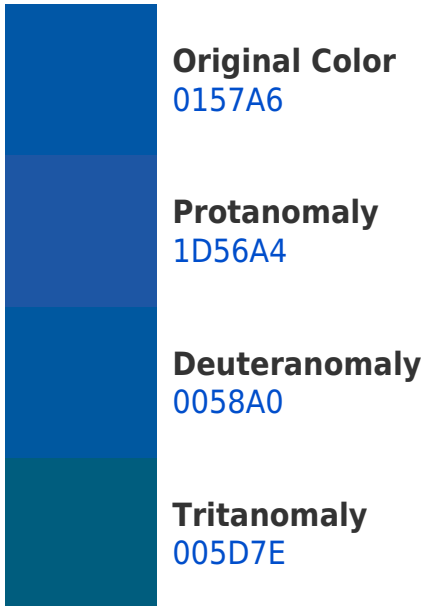
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0157A6 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 #0157A6 looks like.

```
.text, #text, p{  
    color:#0157A6  
}
```

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 #0157A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0157A6
}
```

## Border

The CSS property to change the border of an element to Hex 0157A6 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
#0157A6 }
```

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

```
.border{ border-color:#0157A6 }
```

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

Here you see how a box with a 4 pixel #0157A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0157A6; -webkit-box-shadow:4px 4px  
4px 4px #0157A6; box-shadow:4px 4px 4px  
4px #0157A6 }
```

# Background

The CSS property to change the background color of an element to Hex 0157A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0157A6 }
```

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

```
.background{ background-color:#0157A6 }
```

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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