

# Converting Colors

Hex(157EA3)

Have a look what the booklet for  
Hex(157EA3) contains.

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# Color

Hex(157EA3)

# Conversions

## Conversions Part 1

Format	Color
Hex	157EA3
RGB	21, 126, 163
RGB Percent	8%, 49%, 64%
CMY	0.9176, 0.5059, 0.3608
CMYK	0.87, 0.23, 0.00, 0.36
HSL	196°, 77%, 36%
HSV	196°, 87%, 64%
XYZ	14.3810, 17.7255, 37.3137
YIQ	98.8230, -74.4570, -10.7530

# Conversions

## Conversions Part 2

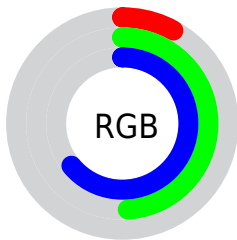
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 81, 163
Decimal	1408675
CIE <sub>Lab</sub>	49.16, -14.44, -27.61
CIE <sub>LCh</sub>	49, 31.157, 242.398
Yxy	17.7255, 0.2072, 0.2553
Android (android.graphics.Color)	4279598755 (0xFF157EA3)
YUV	98.8230, 31.6393, -68.2508
Hunter-Lab	42.1016, -12.7063, -23.0762

# Details

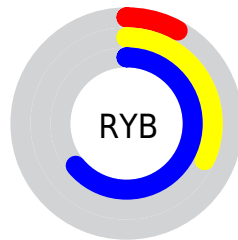
The Hex color **157EA3** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **A33A15**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **5EB3DA**, and **004D6F** is the 20% darker color. If you saturate the color by 10%, you get **057AA3**, and if you desaturate by 10%, it is **2582A3**.

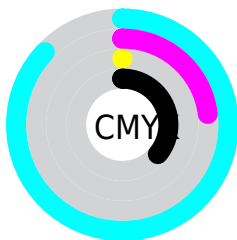
# Distribution



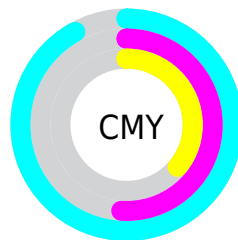
- Red (8%)
- Green (49%)
- Blue (64%)



- Red (8%)
- Yellow (32%)
- Blue (64%)



- Cyan (87%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (92%)
- Magenta (51%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 157EA3 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 157EA3 by changing the saturation by 10% instead.



■ 157EA3

■ 157EA3

FFFFFF

■ 006589

■ 5EB3DA

■ 004D6F

■ 7CCEF7

■ 003657

■ 99EAF7

■ 00213F

■ B6FFF7

■ 000329

■ D4FFF7

■ 000113

■ F2FFF7

■ 000000

■ 157EA3

■ 157EA3

■ 057AA3

■ 2582A3

0079A3

3686A3

468BA3

568FA3

6793A3

7797A3

879CA3

97A0A3

A8A4A3

# Harmonies

## Analogous

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



008290



157EA3



5077A9

# Triad

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



157EA3



A66074



687C47

# Complementary

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



157EA3



A33A15

# 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.



84743F



157EA3



A6635A

# Square

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



157EA3



98648E



996B47



48815B

# Rectangle

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



157EA3



6E70A6



996B47



727943



# Sweetspot

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



157EA3



9DC5D4



15A339



4A626B



EBEBEB



6B6B6B



# Same Dimension

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



157EA3



009DD4



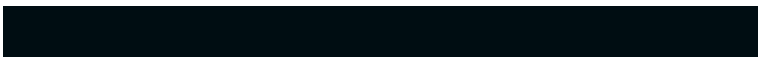
1539A3



494F52



006B91



000D12



# Inverse Universe

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



A3157E



D4009D



A38015



52494F



91006B



12000D



# Previews

## White Background



This preview shows how the Hex color 157EA3 looks on a white background.

## Color Contrast Check

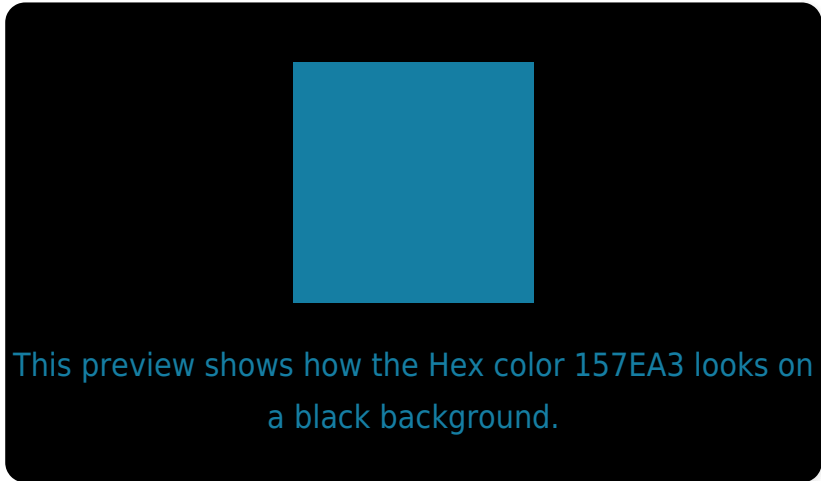
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

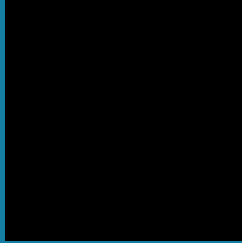
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 157EA3 Background



This preview shows how black text looks on a background with the Hex color 157EA3.

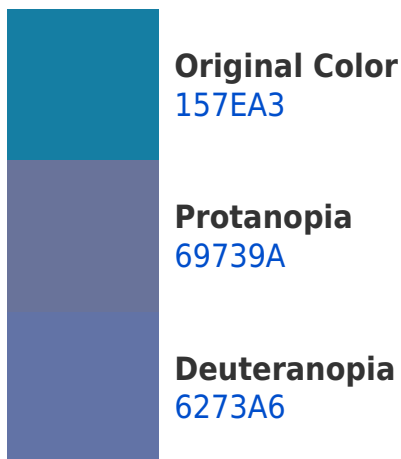


This preview shows how white text looks on a background with the Hex color 157EA3.

# 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**  
00818B

# Trichromacy



**Original Color**  
157EA3

**Protanomaly**  
4A779D

**Deuteranomaly**  
4677A5

**Tritanomaly**  
088094

# Monochromacy



**Original Color**  
157EA3

**Achromatopsia**  
636363

**Achromatomaly**  
476D7A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 157EA3 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 #157EA3 looks like.

```
.text, #text, p{  
    color:#157EA3  
}
```

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 #157EA3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #157EA3
}
```

## Border

The CSS property to change the border of an element to Hex 157EA3 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
#157EA3 }
```

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

```
.border{ border-color:#157EA3 }
```

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

Here you see how a box with a 4 pixel #157EA3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #157EA3; -webkit-box-shadow:4px 4px  
4px 4px #157EA3; box-shadow:4px 4px 4px  
4px #157EA3 }
```

# Background

The CSS property to change the background color of an element to Hex 157EA3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#157EA3 }
```

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

```
.background{ background-color:#157EA3 }
```

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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