

# Converting Colors

Hex(156EA9)

Have a look what the booklet for  
Hex(156EA9) contains.

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# Color

**Hex(156EA9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	156EA9
RGB	21, 110, 169
RGB Percent	8%, 43%, 66%
CMY	0.9176, 0.5686, 0.3373
CMYK	0.88, 0.35, 0.00, 0.34
HSL	204°, 78%, 37%
HSV	204°, 88%, 66%
XYZ	13.0466, 14.1759, 39.5847
YIQ	90.1150, -71.9830, -0.5190

# Conversions

## Conversions Part 2

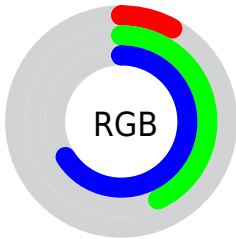
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 77, 169
Decimal	1404585
CIE <sub>Lab</sub>	44.48, -2.78, -38.46
CIE <sub>LCh</sub>	44, 38.560, 265.859
Yxy	14.1759, 0.1953, 0.2122
Android (android.graphics.Color)	4279594665 (0xFF156EA9)
<b>YUV</b>	90.1150, 38.8903, -60.6139
Hunter-Lab	37.6508, -4.0359, -35.9797

# Details

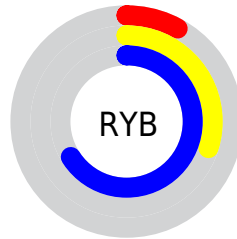
The Hex color **156EA9** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A95015**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5EA1E1**, and **003F74** is the 20% darker color. If you saturate the color by 10%, you get **0467A9**, and if you desaturate by 10%, it is **2675A9**.

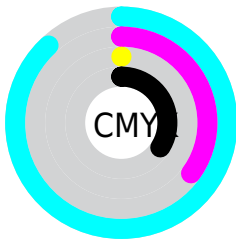
# Distribution



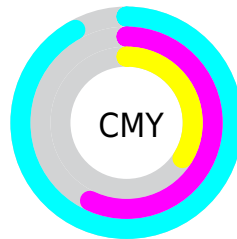
- Red (8%)
- Green (43%)
- Blue (66%)



- Red (8%)
- Yellow (30%)
- Blue (66%)



- Cyan (88%)
- Magenta (35%)
- Yellow (0%)
- Black (34%)



- Cyan (92%)
- Magenta (57%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 156EA9 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 156EA9 by changing the saturation by 10% instead.



■ 156EA9

■ 156EA9

FFFFFF

■ 00568E

■ 5EA1E1

■ 003F74

■ 7CBCFD

■ 00295B

■ 99D8FF

■ 001544

■ B7F4FF

■ 00032D

■ D4FFFF

■ 000117

■ F2FFFF

■ 000000

■ 156EA9

■ 156EA9

■ 0467A9

■ 2675A9

0066A9

377BA9

4882A9

5989A9

6990A9

7A96A9

8B9DA9

9CA4A9

ADABA9

# Harmonies

## Analogous

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



00759E



156EA9



6463A3

# Triad

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



156EA9



A4504F



387644

# Complementary

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



156EA9



A95015

# 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.



60702C



156EA9



975A35

# Square

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



156EA9



A14E6F



7F6627



007964

# Rectangle

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



156EA9



815A96



7F6627



47743B



# Sweetspot

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



156EA9



A2C5DB



15A94E



4C606E



EDEDED



6E6E6E



# Same Dimension

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



156EA9



0084DB



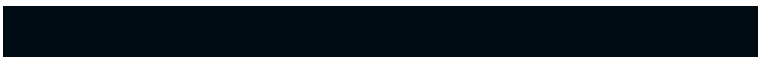
1526A9



4C5154



005994



000C14



# Inverse Universe

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



A9156E



DB0084



A99815



544C51



940059



14000C



# Previews

## White Background



This preview shows how the Hex color 156EA9 looks on a white background.

## Color Contrast Check

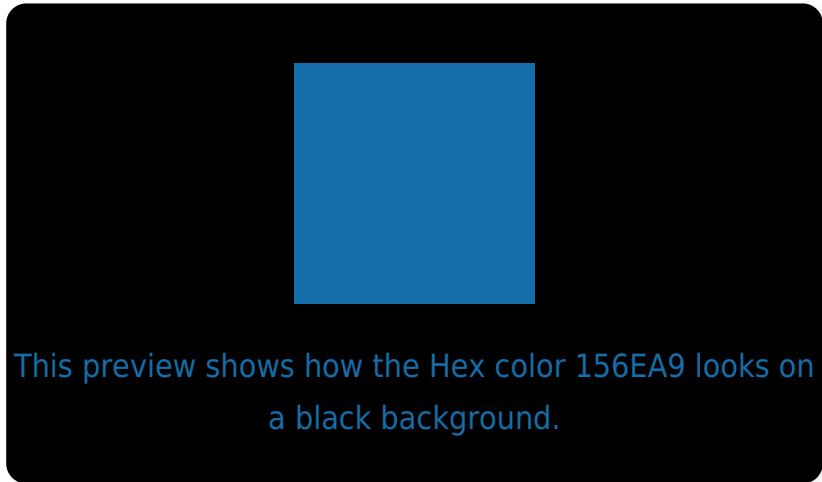
Large Text (above 18pt) WCAG AA ✓ Pass

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

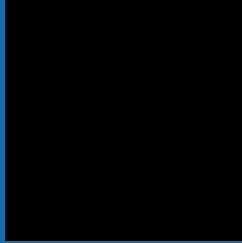
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 156EA9 Background



This preview shows how black text looks on a background with the Hex color 156EA9.

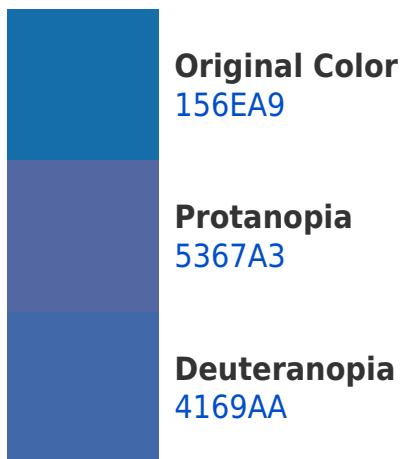


This preview shows how white text looks on a background with the Hex color 156EA9.

# 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](#).

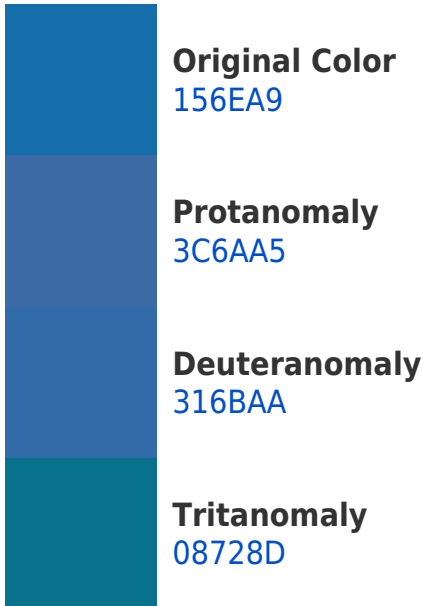
## Dichromacy



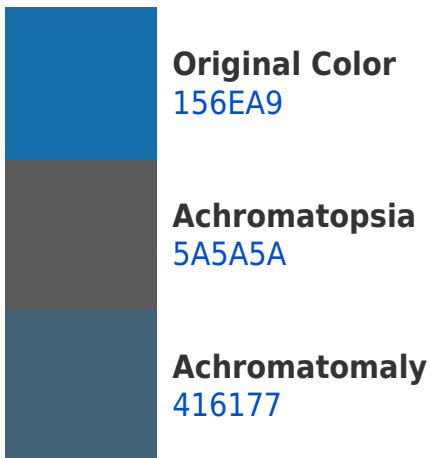


**Tritanopia**  
00747D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 156EA9 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 #156EA9 looks like.

```
.text, #text, p{  
    color:#156EA9  
}
```

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 #156EA9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #156EA9
}
```

## Border

The CSS property to change the border of an element to Hex 156EA9 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
#156EA9 }
```

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

```
.border{ border-color:#156EA9 }
```

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

Here you see how a box with a 4 pixel #156EA9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #156EA9; -webkit-box-shadow:4px 4px  
4px 4px #156EA9; box-shadow:4px 4px 4px  
4px #156EA9 }
```

# Background

The CSS property to change the background color of an element to Hex 156EA9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#156EA9 }
```

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

```
.background{ background-color:#156EA9 }
```

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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