

# Converting Colors

Hex(0576AE)

Have a look what the booklet for  
Hex(0576AE) contains.

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# Color

**Hex(0576AE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0576AE
RGB	5, 118, 174
RGB Percent	2%, 46%, 68%
CMY	0.9804, 0.5373, 0.3176
CMYK	0.97, 0.32, 0.00, 0.32
HSL	200°, 94%, 35%
HSV	200°, 97%, 68%
XYZ	14.1810, 16.0451, 42.3940
YIQ	90.5970, -85.3240, -6.5400

# Conversions

## Conversions Part 2

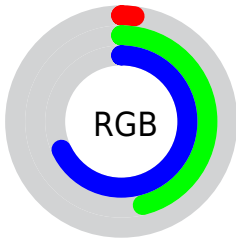
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 73, 174
Decimal	358062
CIELab	47.03, -6.51, -37.36
CIELCh	47, 37.926, 260.123
Yxy	16.0451, 0.1953, 0.2209
Android (android.graphics.Color)	4278548142 (0xFF0576AE)
YUV	90.5970, 41.1177, -75.0686
Hunter-Lab	40.0564, -6.9050, -34.7106

# Details

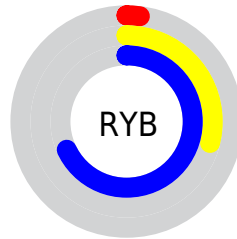
The Hex color **0576AE** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AE3D05**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5CAAE6**, and **004679** is the 20% darker color. If you saturate the color by 10%, you get **0074AE**, and if you desaturate by 10%, it is **167CAE**.

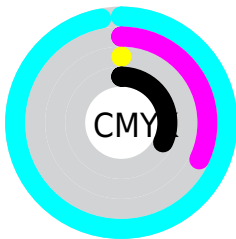
# Distribution



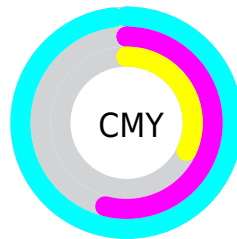
- Red (2%)
- Green (46%)
- Blue (68%)



- Red (2%)
- Yellow (29%)
- Blue (68%)



- Cyan (97%)
- Magenta (32%)
- Yellow (0%)
- Black (32%)



- Cyan (98%)
- Magenta (54%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0576AE 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 0576AE by changing the saturation by 10% instead.



■ 0576AE

■ 0576AE

FFFFFF

■ 005D93

■ 5CAA6E

■ 004679

■ 7AC5FF

■ 003060

■ 98E1FF

■ 001C48

■ B5FEFF

■ 000431

■ D3FFFF

■ 00011B

■ F1FFFF

■ 000000

■ 0576AE

■ 0576AE

■ 0074AE

■ 167CAE

■ 2882AE

■ 3987AE

■ 4B8DAE

■ 5C93AE

■ 6D99AE

■ 7F9EAE

■ 90A4AE

■ A2AAAE

# Harmonies

## Analogous

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



007DA0



0576AE



616BAB

# Triad

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



0576AE



AB565B



487B45

# Complementary

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



0576AE



AE3D05

# 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.



6D7431



0576AE



A15E40

# Square

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



0576AE



A5567B



8B6A2F



007F64

# Rectangle

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



0576AE



8063A0



8B6A2F



55793D



# Sweetspot

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



0576AE



A1CDE3



05AE3B



4B6573



F2F2F2



737373



# Same Dimension

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



0576AE



0098E3



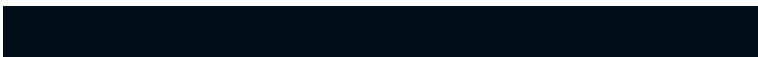
0524AE



4E5457



006596



000F17



# Inverse Universe

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



AE0576



E30098



AE8F05



574E54



960065



17000F



# Previews

## White Background



This preview shows how the Hex color 0576AE looks on a white background.

## Color Contrast Check

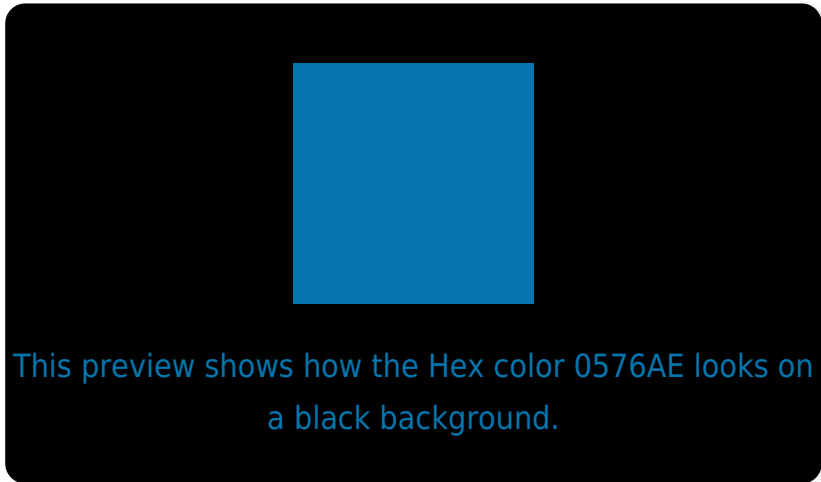
Large Text (above 18pt) WCAG AA ✓ Pass

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

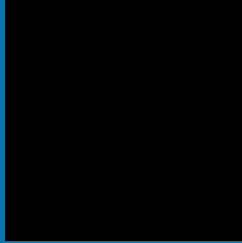
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0576AE Background



This preview shows how black text looks on a background with the Hex color 0576AE.

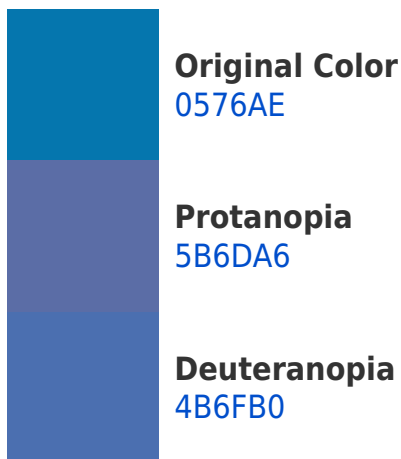


This preview shows how white text looks on a background with the Hex color 0576AE.

# 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](#).

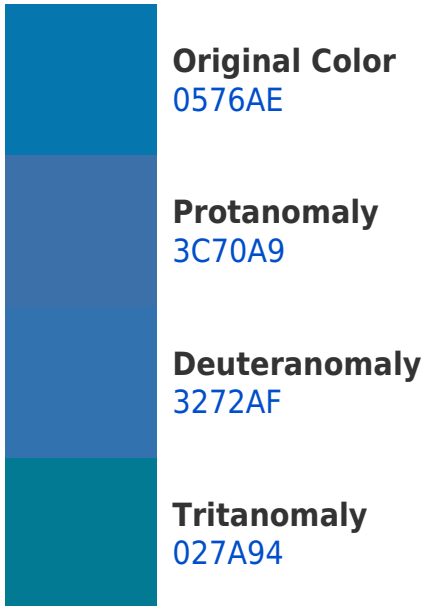
## Dichromacy





**Tritanopia**  
007C85

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0576AE 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 #0576AE looks like.

```
.text, #text, p{  
    color:#0576AE  
}
```

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 #0576AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0576AE
}
```

## Border

The CSS property to change the border of an element to Hex 0576AE 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
#0576AE }
```

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

```
.border{ border-color:#0576AE }
```

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

Here you see how a box with a 4 pixel #0576AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0576AE; -webkit-box-shadow:4px 4px  
4px 4px #0576AE; box-shadow:4px 4px 4px  
4px #0576AE }
```

# Background

The CSS property to change the background color of an element to Hex 0576AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0576AE }
```

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

```
.background{ background-color:#0576AE }
```

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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