

# Converting Colors

Hex(0069AA)

Have a look what the booklet for  
Hex(0069AA) contains.

<b>Hex(0069AA)</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(0069AA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0069AA
RGB	0, 105, 170
RGB Percent	0%, 41%, 67%
CMY	1.0000, 0.5882, 0.3333
CMYK	1.00, 0.38, 0.00, 0.33
HSL	203°, 100%, 33%
HSV	203°, 100%, 67%
XYZ	12.3073, 13.0054, 39.8918
YIQ	81.0150, -83.4450, -2.0450

# Conversions

## Conversions Part 2

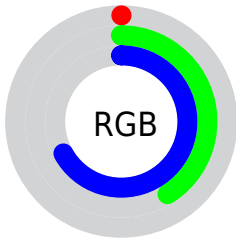
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 65, 170
Decimal	27050
CIELab	42.77, -0.37, -41.78
CIELCh	43, 41.782, 269.493
Yxy	13.0054, 0.1887, 0.1995
Android (android.graphics.Color)	4278217130 (0xFF0069AA)
YUV	81.0150, 43.8696, -71.0502
Hunter-Lab	36.0630, -2.1934, -40.3407

# Details

The Hex color **0069AA** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AA4100**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **599CE2**, and **003B75** is the 20% darker color. If you saturate the color by 10%, you get **0069AA**, and if you desaturate by 10%, it is **116FAA**.

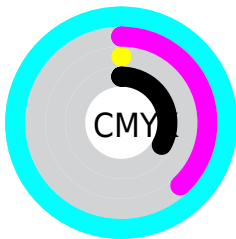
# Distribution



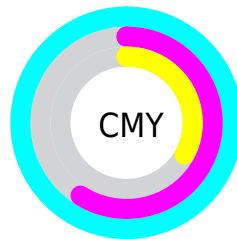
- Red (0%)
- Green (41%)
- Blue (67%)



- Red (0%)
- Yellow (25%)
- Blue (67%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (59%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0069AA 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 0069AA by changing the saturation by 10% instead.



■ 0069AA

■ 0069AA

FFFFFF

■ 00518F

■ 599CE2

■ 003B75

■ 77B7FF

■ 00265C

■ 95D2FF

■ 001044

■ B2EEFF

■ 00032D

■ D0FFFF

■ 000118

■ EEEFFF

■ 000000

■ 0069AA

■ 116FAA

■ 2276AA

■ 337CAA

■ 4483AA

■ 5589AA

■ 6690AA

■ 7796AA

■ 889DAA

■ 99A3AA

# Harmonies

## Analogous

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



0071A0



0069AA



655CA1

# Triad

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



0069AA



A24A45



257340

# Complementary

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



0069AA



AA4100

# 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.



566D25



0069AA



935629

# Square

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



0069AA



A24667



78631B



007663

# Rectangle

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



0069AA



835292



78631B



397136



# Sweetspot

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



0069AA



9BC4DE



00AA3E



486170



F0F0F0



707070



# Same Dimension

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



0069AA



0089DE



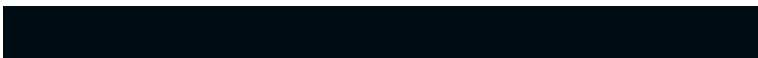
0017AA



4C5154



005B94



000D14



# Inverse Universe

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



AA0069



DE0089



AA9300



544C51



94005B



14000D



# Previews

## White Background



This preview shows how the Hex color 0069AA looks on a white background.

## Color Contrast Check

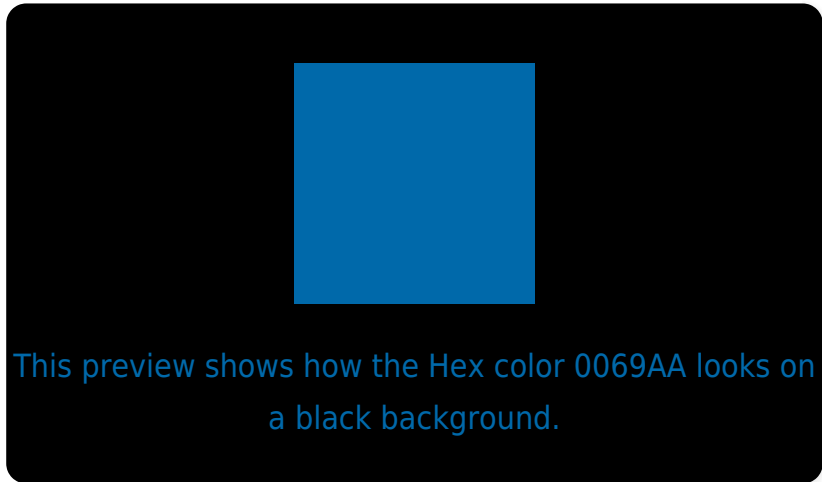
Large Text (above 18pt) WCAG AA ✓ Pass

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

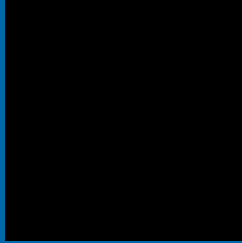
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0069AA Background



This preview shows how black text looks on a background with the Hex color 0069AA.

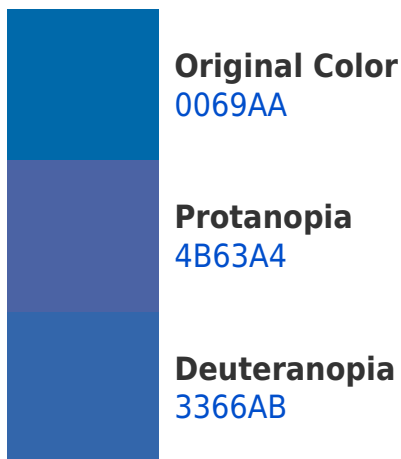


This preview shows how white text looks on a background with the Hex color 0069AA.

# 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](#).

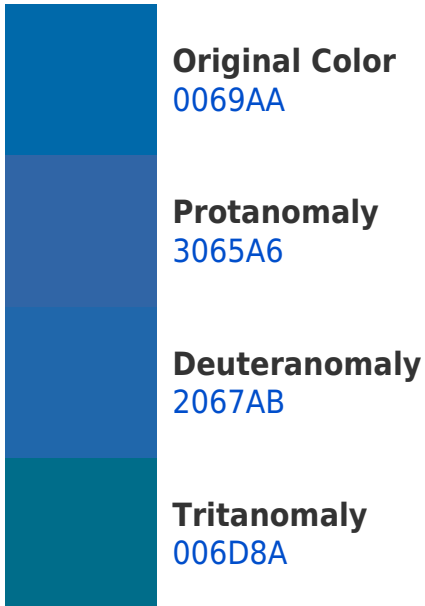
## Dichromacy





**Tritanopia**  
007078

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0069AA 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 #0069AA looks like.

```
.text, #text, p{  
    color:#0069AA  
}
```

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 #0069AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0069AA
}
```

## Border

The CSS property to change the border of an element to Hex 0069AA 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
#0069AA }
```

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

```
.border{ border-color:#0069AA }
```

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

Here you see how a box with a 4 pixel #0069AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0069AA; -webkit-box-shadow:4px 4px  
4px 4px #0069AA; box-shadow:4px 4px 4px  
4px #0069AA }
```

# Background

The CSS property to change the background color of an element to Hex 0069AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0069AA }
```

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

```
.background{ background-color:#0069AA }
```

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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