

# Converting Colors

Hex(0057AA)

Have a look what the booklet for  
Hex(0057AA) contains.

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# Color

**Hex(0057AA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0057AA
RGB	0, 87, 170
RGB Percent	0%, 34%, 67%
CMY	1.0000, 0.6588, 0.3333
CMYK	1.00, 0.49, 0.00, 0.33
HSL	209°, 100%, 33%
HSV	209°, 100%, 67%
XYZ	10.6639, 9.7187, 39.3441
YIQ	70.4490, -78.4950, 7.3690

# Conversions

## Conversions Part 2

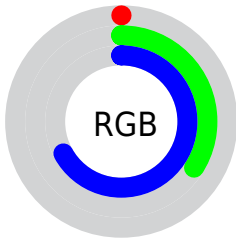
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 58, 170
Decimal	22442
CIELab	37.33, 11.27, -50.50
CIELCh	37, 51.742, 282.583
Yxy	9.7187, 0.1785, 0.1627
Android (android.graphics.Color)	4278212522 (0xFF0057AA)
YUV	70.4490, 49.0786, -61.7838
Hunter-Lab	31.1748, 6.5033, -53.0044

# Details

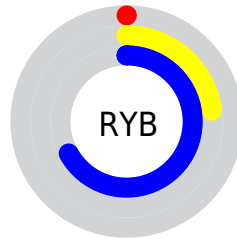
The Hex color **0057AA** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **AA5300**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **5988E2**, and **002B75** is the 20% darker color. If you saturate the color by 10%, you get **0057AA**, and if you desaturate by 10%, it is **115FAA**.

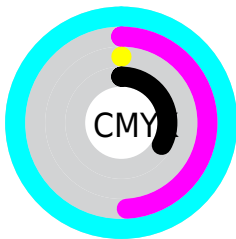
# Distribution



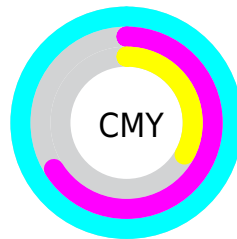
- Red (0%)
- Green (34%)
- Blue (67%)



- Red (0%)
- Yellow (23%)
- Blue (67%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (66%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0057AA 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 0057AA by changing the saturation by 10% instead.



 0057AA

 0057AA

FFFFFF

 00408F

 5988E2

 002B75

 77A2FF

 00185C

 95BDFF

 000744

 B3D9FF

 00032C


 D0F5FF

 000117

 EEEFFF

 000000

 0057AA

 115FAA

■ 2268AA

■ 3370AA

■ 4478AA

■ 5580AA

■ 6689AA

■ 7791AA

■ 8899AA

■ 99A2AA

# Harmonies

## Analogous

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



0063A8



0057AA



6F4496

# Triad

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



0057AA



983921



00693D

# Complementary

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



0057AA



AA5300

# 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.



296411



0057AA



7E4D00

# Square

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



0057AA



A12A48



5A5B00



006B69

# Rectangle

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



0057AA



8C367F



5A5B00



00682F



# Sweetspot

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



0057AA



9BBDE



00AA52



485C70



F0F0F0



707070



# Same Dimension

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



0057AA



0072DE



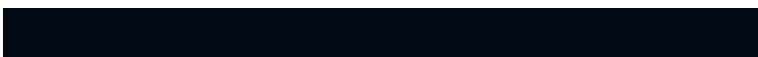
0003AA



4C5054



004C94



000A14



# Inverse Universe

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



AA0057



DE0072



AAA700



544C50



94004C



14000A



# Previews

## White Background



This preview shows how the Hex color 0057AA looks on a white background.

## Color Contrast Check

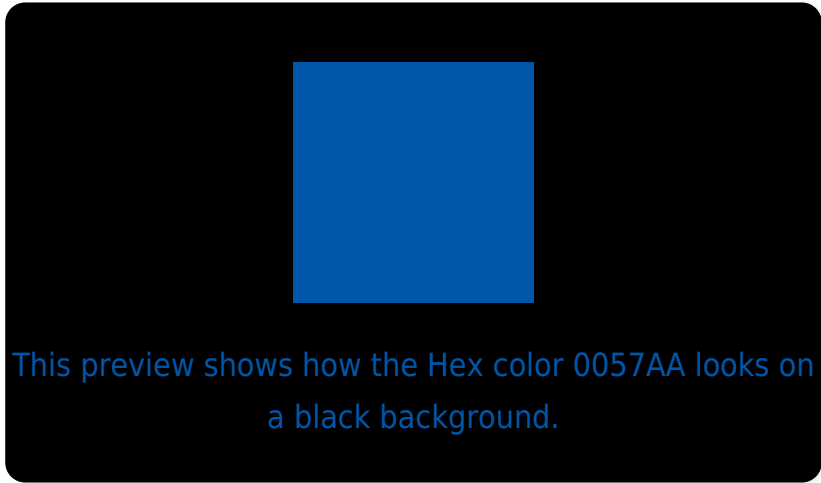
Large Text (above 18pt) WCAG AA ✓ Pass

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

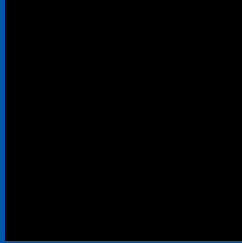
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0057AA Background



This preview shows how black text looks on a background with the Hex color 0057AA.

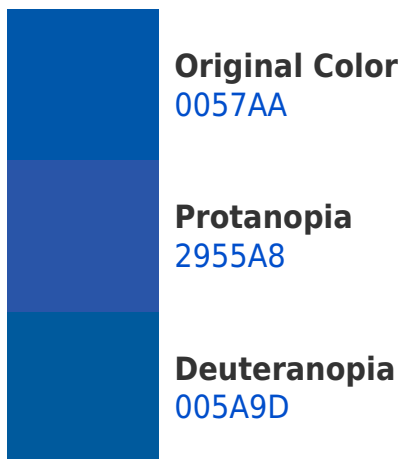


This preview shows how white text looks on a background with the Hex color 0057AA.

# 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



**Original Color**  
0057AA

**Protanomaly**  
1A56A9

**Deuteranomaly**  
0059A2

**Tritanomaly**  
005E80

# Monochromacy



**Original Color**  
0057AA

**Achromatopsia**  
464646

**Achromatomaly**  
2D4C6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0057AA 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 #0057AA looks like.

```
.text, #text, p{  
    color:#0057AA  
}
```

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 #0057AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0057AA
}
```

## Border

The CSS property to change the border of an element to Hex 0057AA 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
#0057AA }
```

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

```
.border{ border-color:#0057AA }
```

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

Here you see how a box with a 4 pixel #0057AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0057AA; -webkit-box-shadow:4px 4px  
4px 4px #0057AA; box-shadow:4px 4px 4px  
4px #0057AA }
```

# Background

The CSS property to change the background color of an element to Hex 0057AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0057AA }
```

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

```
.background{ background-color:#0057AA }
```

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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