

# Converting Colors

Hex(007AAF)

Have a look what the booklet for  
Hex(007AAF) contains.

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# Color

**Hex(007AAF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007AAF
RGB	0, 122, 175
RGB Percent	0%, 48%, 69%
CMY	1.0000, 0.5216, 0.3137
CMYK	1.00, 0.30, 0.00, 0.31
HSL	198°, 100%, 34%
HSV	198°, 100%, 69%
XYZ	14.6974, 17.0142, 43.0669
YIQ	91.5640, -89.7250, -9.3810

# Conversions

## Conversions Part 2

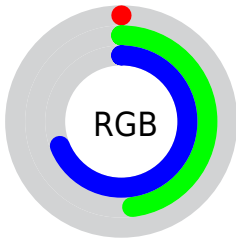
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 72, 175
Decimal	31407
CIELab	48.28, -8.69, -35.99
CIELCh	48, 37.021, 256.427
Yxy	17.0142, 0.1965, 0.2275
Android (android.graphics.Color)	4278221487 (0xFF007AAF)
YUV	91.5640, 41.1339, -80.3016
Hunter-Lab	41.2483, -8.5822, -33.0302

# Details

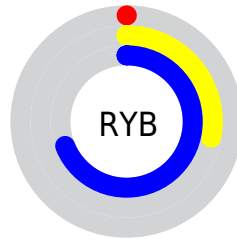
The Hex color **007AAF** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AF3500**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5BAEE7**, and **004A7A** is the 20% darker color. If you saturate the color by 10%, you get **007AAF**, and if you desaturate by 10%, it is **117FAF**.

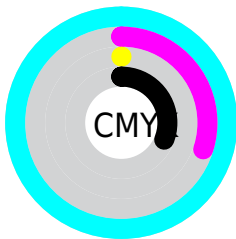
# Distribution



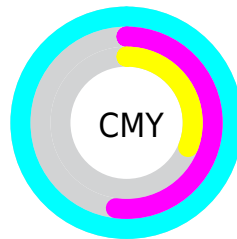
- Red (0%)
- Green (48%)
- Blue (69%)



- Red (0%)
- Yellow (28%)
- Blue (69%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (52%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007AAF 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 007AAF by changing the saturation by 10% instead.



007AAF

007AAF

FFFFFF

006194

5BAEE7

004A7A

7ACAFF

003361

98E6FF

001F49

B5FFFF

000432

D3FFFF

00021C

F1FFFF

000000

007AAF

117FAF

■ 2385AF

■ 358AAF

■ 468FAF

■ 5895AF

■ 699AAF

■ 7A9FAF

■ 8CA4AF

■ 9EAAAF

# Harmonies

## Analogous

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



00809F



007AAF



5E70AF

# Triad

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



007AAF



AE5963



517E46

# Complementary

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



007AAF



AF3500

# 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.



757634



007AAF



A66147

# Square

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



007AAF



A55A82



916C35



1C8263

# Rectangle

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



007AAF



7E68A5



916C35



5E7C3E



# Sweetspot

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



007AAF



9FCEE3



00AF35



496673



F2F2F2



737373



# Same Dimension

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



007AAF



009EE3



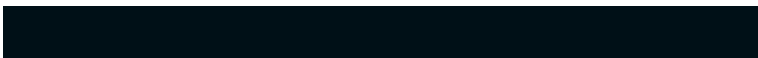
0023AF



4E5457



006996



001017



# Inverse Universe

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



AF007A



E3009E



AF8C00



574E54



960069



170010



# Previews

## White Background



This preview shows how the Hex color 007AAF looks on a white background.

### Color Contrast Check

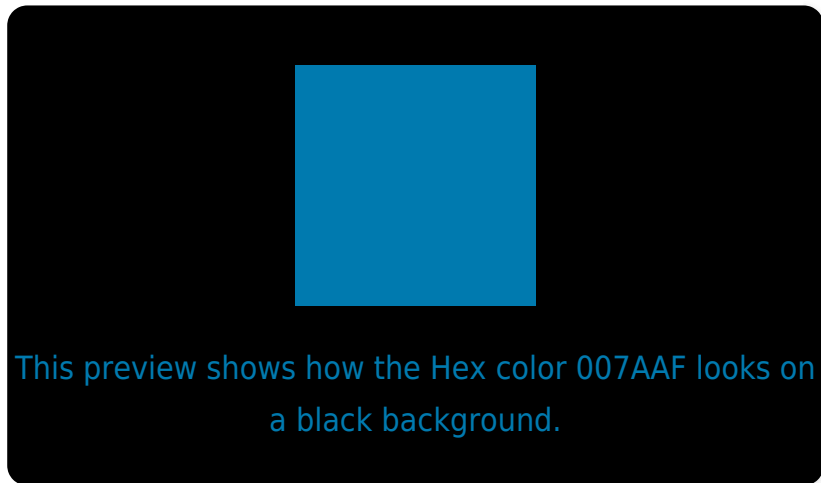
Large Text (above 18pt) WCAG AA ✓ Pass

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

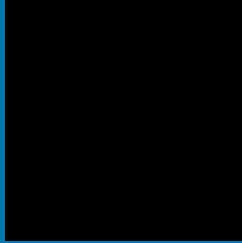
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007AAF Background



This preview shows how black text looks on a background with the Hex color 007AAF.

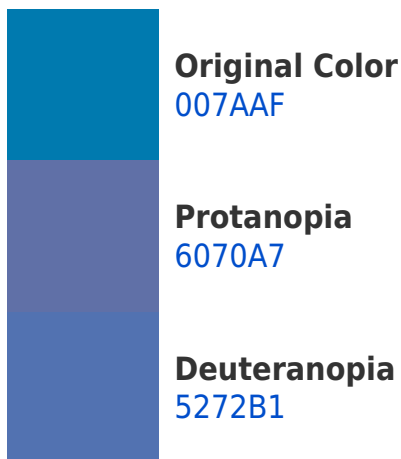


This preview shows how white text looks on a background with the Hex color 007AAF.

# 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**  
007F88

# Trichromacy



**Original Color**  
007AAF

**Protanomaly**  
3D74AA

**Deuteranomaly**  
3475B0

**Tritanomaly**  
007D96

# Monochromacy



**Original Color**  
007AAF

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
3B677A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007AAF 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 #007AAF looks like.

```
.text, #text, p{  
    color:#007AAF  
}
```

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 #007AAF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007AAF
}
```

## Border

The CSS property to change the border of an element to Hex 007AAF 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
#007AAF }
```

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

```
.border{ border-color:#007AAF }
```

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

Here you see how a box with a 4 pixel #007AAF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007AAF; -webkit-box-shadow:4px 4px  
4px 4px #007AAF; box-shadow:4px 4px 4px  
4px #007AAF }
```

# Background

The CSS property to change the background color of an element to Hex 007AAF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007AAF }
```

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

```
.background{ background-color:#007AAF }
```

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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