

# Converting Colors

Hex(007AAE)

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

<b>Hex(007AAE)</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(007AAE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007AAE
RGB	0, 122, 174
RGB Percent	0%, 48%, 68%
CMY	1.0000, 0.5216, 0.3176
CMYK	1.00, 0.30, 0.00, 0.32
HSL	198°, 100%, 34%
HSV	198°, 100%, 68%
XYZ	14.5995, 16.9751, 42.5514
YIQ	91.4500, -89.4040, -9.6920

# Conversions

## Conversions Part 2

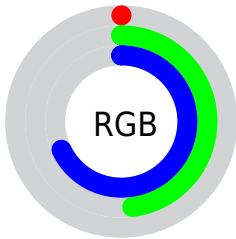
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 72, 174
Decimal	31406
CIELab	48.23, -9.07, -35.48
CIELCh	48, 36.625, 255.658
Yxy	16.9751, 0.1970, 0.2290
Android (android.graphics.Color)	4278221486 (0xFF007AAE)
YUV	91.4500, 40.6972, -80.2016
Hunter-Lab	41.2008, -8.8499, -32.3931

# Details

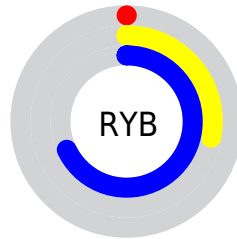
The Hex color **007AAE** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AE3400**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5BAEE6**, and **004A79** is the 20% darker color. If you saturate the color by 10%, you get **007AAE**, and if you desaturate by 10%, it is **117FAE**.

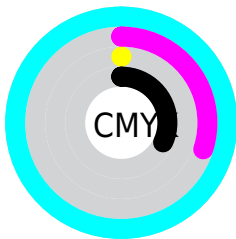
# Distribution



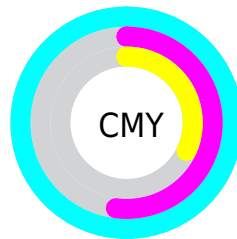
- Red (0%)
- Green (48%)
- Blue (68%)



- Red (0%)
- Yellow (28%)
- Blue (68%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (52%)
- Yellow (32%)

# Brightness & Saturation Gradients

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



007AAE

007AAE

FFFFFF

006193

5BAEE6

004A79

79CAFF

003360

97E6FF

001F48

B5FFFF

000431

D3FFFF

00011B

F1FFFF

000000

007AAE

117FAE

 2384AE

 348AAE

 468FAE

 5794AE

 6899AE

 7A9EAE

 8BA4AE

 9DA9AE

# Harmonies

## Analogous

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



00809E



007AAE



5D70AE

# Triad

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



007AAE



AD5963



527D46

# Complementary

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



007AAE



AE3400

# 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.



757635



007AAE



A66048

# Square

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



007AAE



A45B83



926C36



208162

# Rectangle

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



007AAE



7D68A5



926C36



5F7B3E



# Sweetspot

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



007AAE



9FCFE3



00AE31



496673



F2F2F2



737373



# Same Dimension

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



007AAE



009FE3



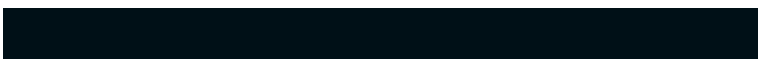
0026AE



4E5457



006996



001017



# Inverse Universe

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



AE007A



E3009F



AE8800



574E54



960069



170010



# Previews

## White Background



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

## Color Contrast Check

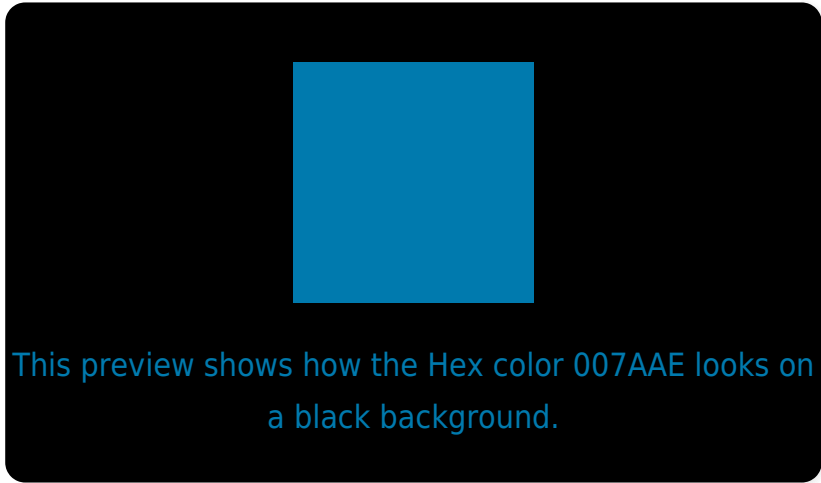
Large Text (above 18pt) WCAG AA ✓ Pass

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

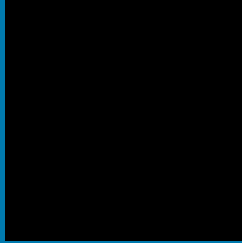
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007AAE Background



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

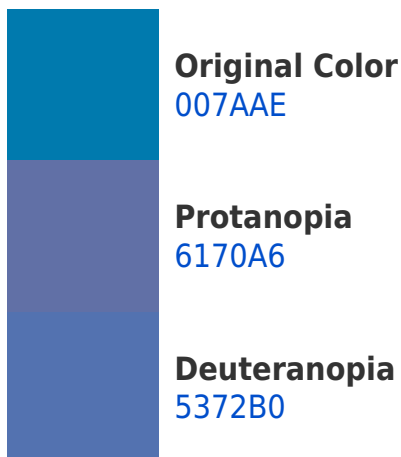


This preview shows how white text looks on a background with the Hex color 007AAE.

# 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](#).

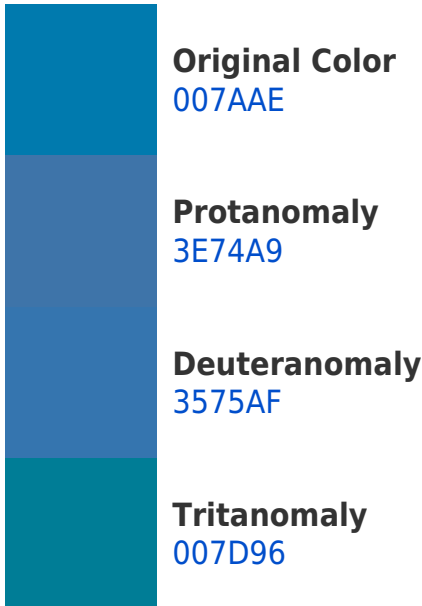
## Dichromacy





**Tritanopia**  
007F88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #007AAE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor