

# Converting Colors

Hex(007ABF)

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

<b>Hex(007ABF)</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(007ABF)

# Conversions

## Conversions Part 1

Format	Color
Hex	007ABF
RGB	0, 122, 191
RGB Percent	0%, 48%, 75%
CMY	1.0000, 0.5216, 0.2510
CMYK	1.00, 0.36, 0.00, 0.25
HSL	202°, 100%, 37%
HSV	202°, 100%, 75%
XYZ	16.3635, 17.6807, 51.8405
YIQ	93.3880, -94.8610, -4.4050

# Conversions

## Conversions Part 2

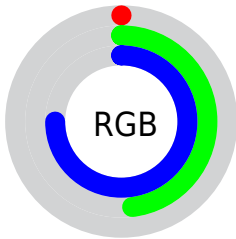
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 74, 191
Decimal	31423
CIELab	49.11, -2.48, -43.92
CIELCh	49, 43.988, 266.769
Yxy	17.6807, 0.1905, 0.2059
Android (android.graphics.Color)	4278221503 (0xFF007ABF)
YUV	93.3880, 48.1227, -81.9013
Hunter-Lab	42.0484, -4.1198, -43.6634

# Details

The Hex color **007ABF** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **BF4500**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **5FAEF8**, and **004A89** is the 20% darker color. If you saturate the color by 10%, you get **007ABF**, and if you desaturate by 10%, it is **1381BF**.

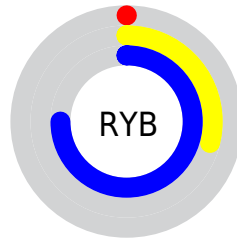
# Distribution



Red (0%)

Green (48%)

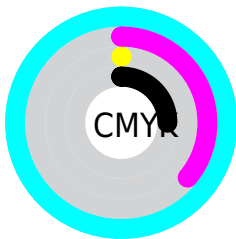
Blue (75%)



Red (0%)

Yellow (29%)

Blue (75%)

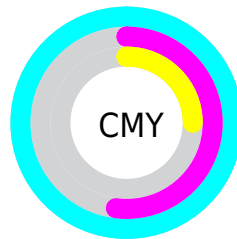


Cyan (100%)

Magenta (36%)

Yellow (0%)

Black (25%)



Cyan (100%)

Magenta (52%)

Yellow (25%)

# Brightness & Saturation Gradients

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



 007ABF

 007ABF

FFFFFF

 0061A4

 5FAEF8

 004A89

 7EC9FF

 00346F

 9DE5FF

 001F56

 BBFFFF

 00063F

 D9FFFF

 000328

 F8FFFF

 000112

 000000

 007ABF

 1381BF

 2688BF

 398FBF

 4C96BF

 609DBF

 73A3BF

 86AABF

 99B1BF

 ACB8BF

# Harmonies

## Analogous

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



0083B2



007ABF



6F6DB7

# Triad

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



007ABF



B85755



38834A

# Complementary

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



007ABF



BF4500

# 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.



687C2E



007ABF



A96337

# Square

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



007ABF



B6547A



8D7126



00876F

# Rectangle

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



007ABF



9262A8



8D7126



4A823F

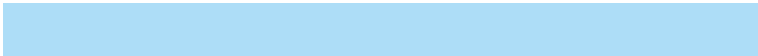


# Sweetspot

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



007ABF



A0DDF7



00BF43



506D7D



FCFCFC



7D7D7D



# Same Dimension

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



007ABF



009EF7



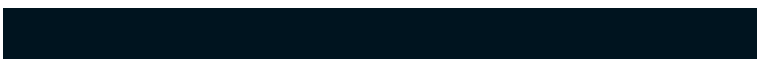
001DBF



555B5E



00659E



00141F



# Inverse Universe

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



BF007A



F7009E



BFA200



5E555B



9E0065



1F0014



# Previews

## White Background



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

## Color Contrast Check

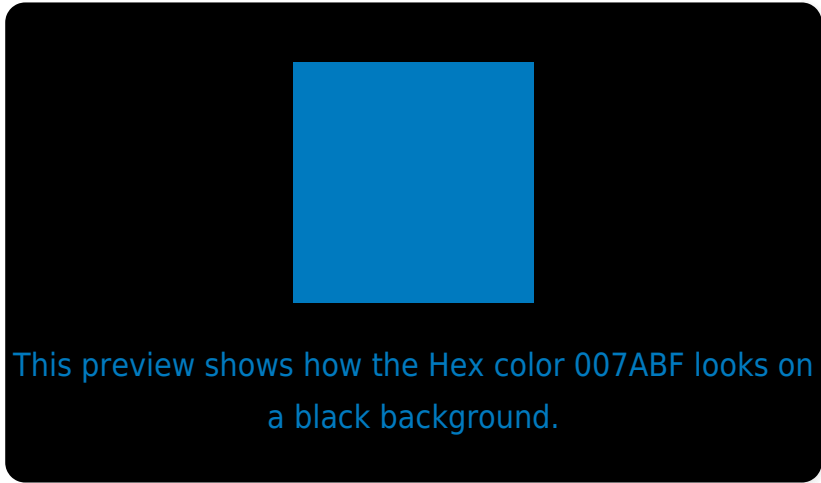
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

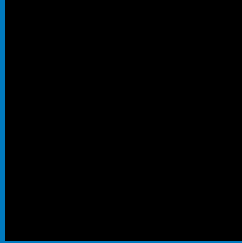
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 007ABF Background



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

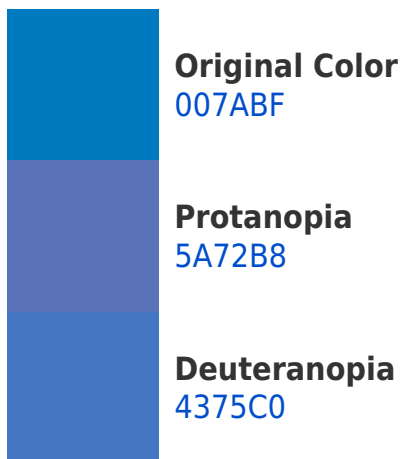


This preview shows how white text looks on a background with the Hex color 007ABF.

# 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](#).

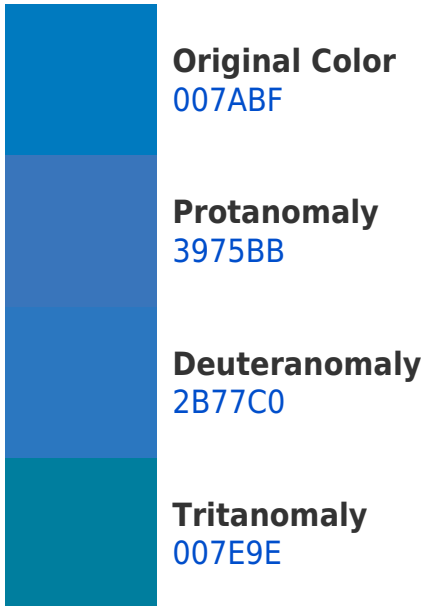
## Dichromacy





**Tritanopia**  
00818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #007ABF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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