

# Converting Colors

Hex(017DA6)

Have a look what the booklet for  
Hex(017DA6) contains.

<b>Hex(017DA6)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(017DA6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	017DA6
RGB	1, 125, 166
RGB Percent	0%, 49%, 65%
CMY	0.9961, 0.5098, 0.3490
CMYK	0.99, 0.25, 0.00, 0.35
HSL	195°, 99%, 33%
HSV	195°, 99%, 65%
XYZ	14.2291, 17.4269, 38.6902
YIQ	92.5980, -87.0650, -13.5370

# Conversions

## Conversions Part 2

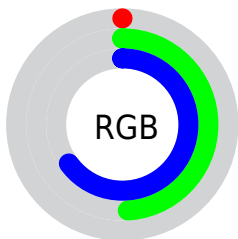
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 72, 166
Decimal	97702
CIELab	48.79, -13.79, -29.95
CIELCh	49, 32.969, 245.272
Yxy	17.4269, 0.2023, 0.2477
Android (android.graphics.Color)	4278287782 (0xFF017DA6)
YUV	92.5980, 36.1872, -80.3314
Hunter-Lab	41.7455, -12.2124, -25.7288

# Details

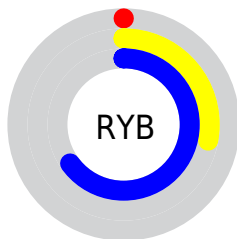
The Hex color **017DA6** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **A62A01**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **59B2DD**, and **004C72** is the 20% darker color. If you saturate the color by 10%, you get **007DA6**, and if you desaturate by 10%, it is **1281A6**.

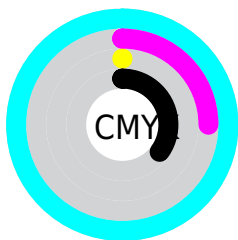
# Distribution



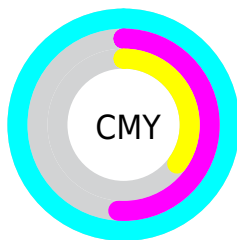
- Red (0%)
- Green (49%)
- Blue (65%)



- Red (0%)
- Yellow (28%)
- Blue (65%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (51%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 017DA6 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 017DA6 by changing the saturation by 10% instead.



017DA6

017DA6

FFFFFF

00648C

59B2DD

004C72

78CDFA

003559

95E9FF

002041

B3FFFF

00032B

D1FFFF

000116

EFFFFFF

000000

017DA6

017DA6

007DA6

1281A6

■ 2285A6

■ 3389A6

■ 438DA6

■ 5492A6

■ 6596A6

■ 759AA6

■ 869EA6

■ 96A2A6

# Harmonies

## Analogous

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



008193



017DA6



5175AB

# Triad

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



017DA6



A95D70



637C45

# Complementary

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



017DA6



A62A01

# 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.



81743B



017DA6



A76155

# Square

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



017DA6



9B618C



986A42



3F815C

# Rectangle

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



017DA6



706EA6



986A42



6E7940



# Sweetspot

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



017DA6



98C9D9



01A627



46646E



EDEDED



6E6E6E



# Same Dimension

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



017DA6



00A3D9



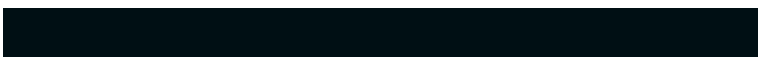
012DA6



4C5254



006F94



000F14



# Inverse Universe

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



A6017D



D900A3



A67A01



544C52



94006F



14000F



# Previews

## White Background



This preview shows how the Hex color 017DA6 looks on a white background.

## Color Contrast Check

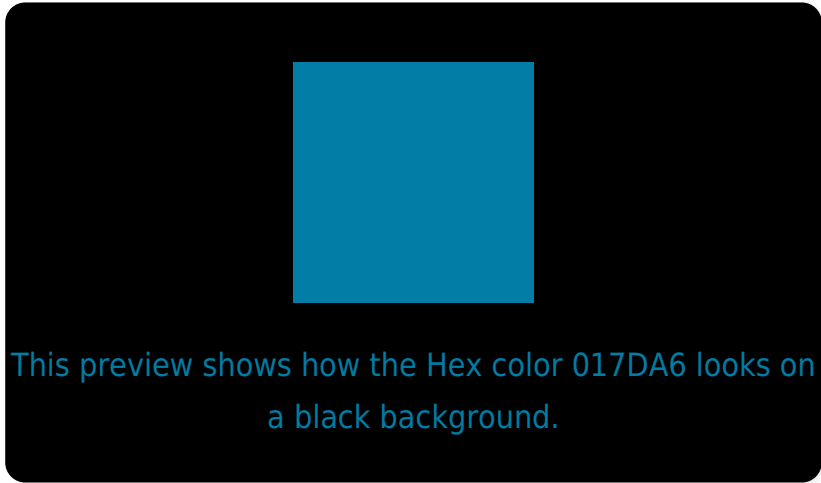
Large Text (above 18pt) WCAG AA ✓ Pass

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

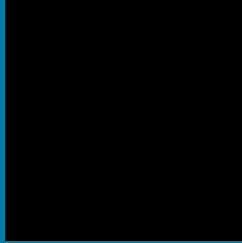
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 017DA6 Background



This preview shows how black text looks on a background with the Hex color 017DA6.

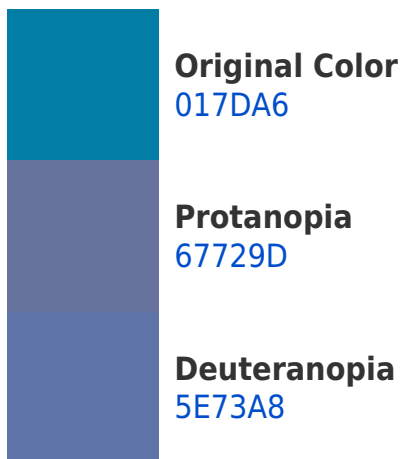


This preview shows how white text looks on a background with the Hex color 017DA6.

# 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**  
00808A

# Trichromacy



**Original Color**  
017DA6

**Protanomaly**  
4276A0

**Deuteranomaly**  
3C77A7

**Tritanomaly**  
007F94

# Monochromacy



**Original Color**  
017DA6

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
3C6978

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 017DA6 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 #017DA6 looks like.

```
.text, #text, p{  
    color:#017DA6  
}
```

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 #017DA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #017DA6
}
```

## Border

The CSS property to change the border of an element to Hex 017DA6 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
#017DA6 }
```

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

```
.border{ border-color:#017DA6 }
```

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

Here you see how a box with a 4 pixel #017DA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #017DA6; -webkit-box-shadow:4px 4px  
4px 4px #017DA6; box-shadow:4px 4px 4px  
4px #017DA6 }
```

# Background

The CSS property to change the background color of an element to Hex 017DA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#017DA6 }
```

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

```
.background{ background-color:#017DA6 }
```

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