

# Converting Colors

Hex(007EB6)

Have a look what the booklet for  
Hex(007EB6) contains.

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# Color

Hex(007EB6)

# Conversions

## Conversions Part 1

Format	Color
Hex	007EB6
RGB	0, 126, 182
RGB Percent	0%, 49%, 71%
CMY	1.0000, 0.5059, 0.2863
CMYK	1.00, 0.31, 0.00, 0.29
HSL	198°, 100%, 36%
HSV	198°, 100%, 71%
XYZ	15.9044, 18.2991, 46.9498
YIQ	94.7100, -93.0720, -9.2960

# Conversions

## Conversions Part 2

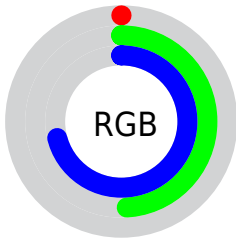
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 74, 182
Decimal	32438
CIELab	49.86, -8.34, -37.55
CIELCh	50, 38.465, 257.478
Yxy	18.2991, 0.1960, 0.2255
Android (android.graphics.Color)	4278222518 (0xFF007EB6)
YUV	94.7100, 43.0340, -83.0607
Hunter-Lab	42.7775, -8.4955, -35.1287

# Details

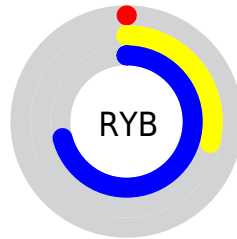
The Hex color **007EB6** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B63800**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **5DB2EE**, and **004D81** is the 20% darker color. If you saturate the color by 10%, you get **007EB6**, and if you desaturate by 10%, it is **1284B6**.

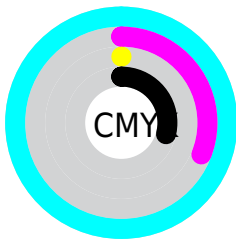
# Distribution



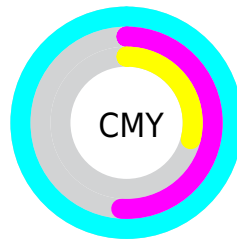
- Red (0%)
- Green (49%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (51%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007EB6 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 007EB6 by changing the saturation by 10% instead.



007EB6

007EB6

FFFFFF

00659B

5DB2EE

004D81

7CCEFF

003767

9AEAFF

00224F

B8FFFF

000538

D6FFFF

000221

F4FFFF

000007

000000

007EB6

 1284B6

 2489B6

 378FB6

 4994B6

 5B9AB6

 6DA0B6

 7FA5B6

 92ABB6

 A4B0B6

# Harmonies

## Analogous

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



0085A6



007EB6



6373B5

# Triad

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



007EB6



B45C65



528249

# Complementary

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



007EB6



B63800

# 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.



777B36



007EB6



AB6448

# Square

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



007EB6



AC5D86



967036



168667

# Rectangle

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



007EB6



846BAB



967036



5F8041



# Sweetspot

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



007EB6



A6D7ED



00B637



4D6B78



F7F7F7



787878



# Same Dimension

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



007EB6



00A4ED



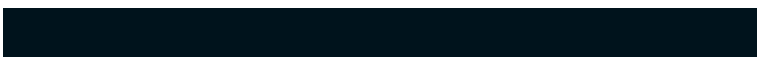
0024B6



53595C



006C9C



00131C



# Inverse Universe

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



B6007E



ED00A4



B69200



5C5359



9C006C



1C0013



# Previews

## White Background



This preview shows how the Hex color 007EB6 looks on a white background.

## Color Contrast Check

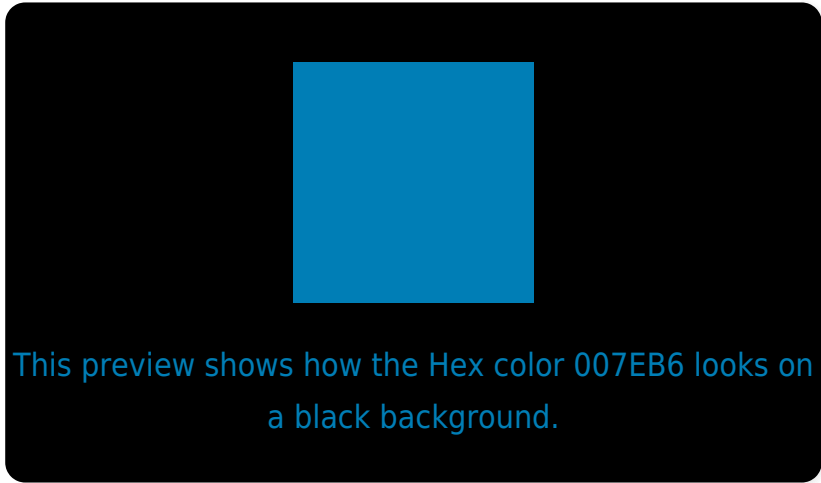
Large Text (above 18pt) WCAG AA ✓ Pass

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

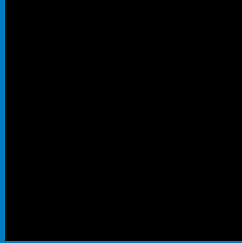
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 007EB6 Background



This preview shows how black text looks on a background with the Hex color 007EB6.



This preview shows how white text looks on a background with the Hex color 007EB6.

# 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](#).

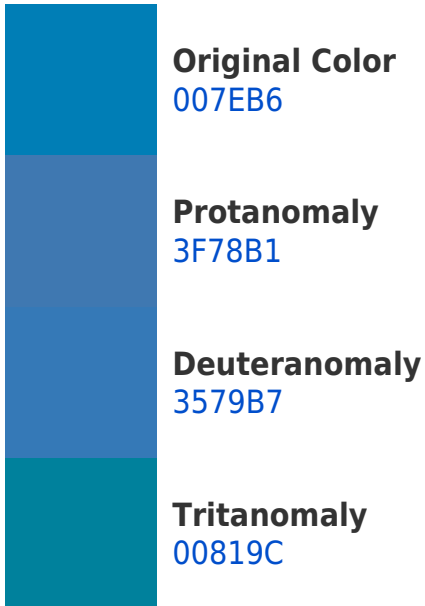
## Dichromacy





**Tritanopia**  
00838D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007EB6 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 #007EB6 looks like.

```
.text, #text, p{  
    color:#007EB6  
}
```

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 #007EB6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007EB6
}
```

## Border

The CSS property to change the border of an element to Hex 007EB6 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
#007EB6 }
```

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

```
.border{ border-color:#007EB6 }
```

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

Here you see how a box with a 4 pixel #007EB6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007EB6; -webkit-box-shadow:4px 4px  
4px 4px #007EB6; box-shadow:4px 4px 4px  
4px #007EB6 }
```

# Background

The CSS property to change the background color of an element to Hex 007EB6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007EB6 }
```

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

```
.background{ background-color:#007EB6 }
```

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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