

# Converting Colors

Hex(007BD3)

Have a look what the booklet for  
Hex(007BD3) contains.

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# Color

**Hex(007BD3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007BD3
RGB	0, 123, 211
RGB Percent	0%, 48%, 83%
CMY	1.0000, 0.5176, 0.1725
CMYK	1.00, 0.42, 0.00, 0.17
HSL	205°, 100%, 41%
HSV	205°, 100%, 83%
XYZ	18.8408, 18.8691, 64.2771
YIQ	96.2550, -101.5560, 1.2920

# Conversions

## Conversions Part 2

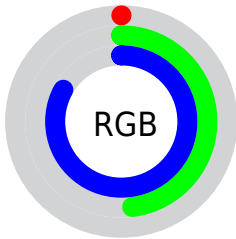
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 78, 211
Decimal	31699
CIELab	50.53, 4.75, -53.06
CIELCh	51, 53.275, 275.117
Yxy	18.8691, 0.1847, 0.1850
Android (android.graphics.Color)	4278221779 (0xFF007BD3)
YUV	96.2550, 56.5693, -84.4156
Hunter-Lab	43.4385, 1.4043, -57.3259

# Details

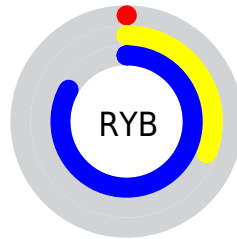
The Hex color **007BD3** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **D35800**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **64AFFF**, and **004B9C** is the 20% darker color. If you saturate the color by 10%, you get **007BD3**, and if you desaturate by 10%, it is **1584D3**.

# Distribution



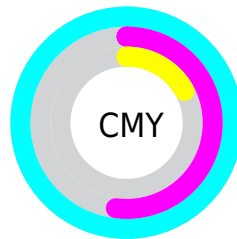
- Red (0%)
- Green (48%)
- Blue (83%)



- Red (0%)
- Yellow (31%)
- Blue (83%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (52%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007BD3 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 007BD3 by changing the saturation by 10% instead.



007BD3

007BD3

FFFFFF

0062B7

64AFFE

004B9C

85CAFF

003581

A4E6FF

002168

C2FFFF

00084F

E1FFFF

000537

000221

000005

000000

■ 007BD3

■ 1584D3

■ 2A8DD3

■ 3F95D3

■ 549ED3

■ 6AA7D3

■ 7FB0D3

■ 94B9D3

■ A9C1D3

■ BECAD3

# Harmonies

## Analogous

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



0087CA



007BD3



8469C3

# Triad

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



007BD3



C55547



008B50

# Complementary

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



007BD3



D35800

# 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.



598427



007BD3



AD6822

# Square

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



007BD3



C94C72



88790F



008E7F

# Rectangle

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



007BD3



A85BAD



88790F



2A8941

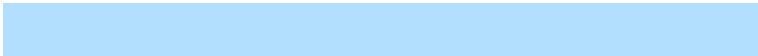


# Sweetspot

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



007BD3



B3DFFF



00D358



526C80



000000



808080

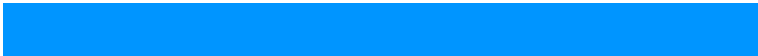


# Same Dimension

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



007BD3



0095FF



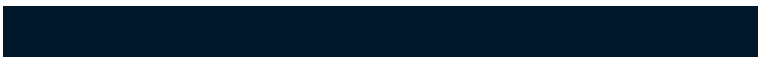
0012D3



5E6469



0062A8



001829



# Inverse Universe

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



D3007B



FF0095



D3C100



695E64



A80062



290018



# Previews

## White Background



This preview shows how the Hex color 007BD3 looks on a white background.

## Color Contrast Check

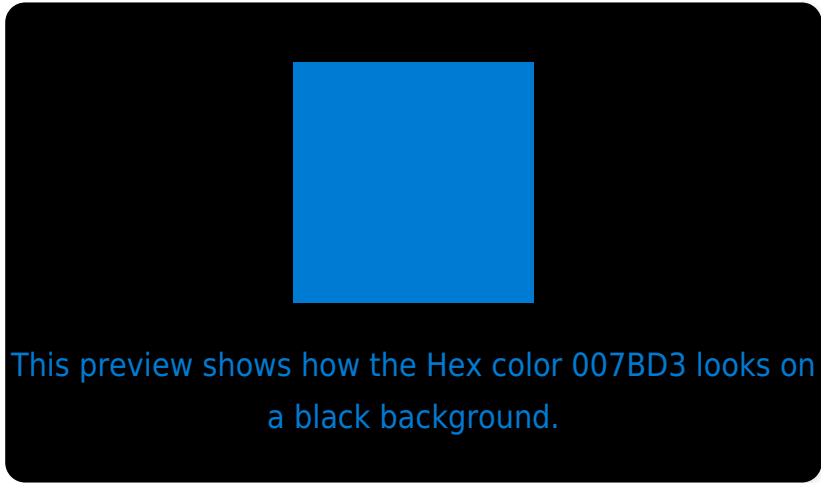
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

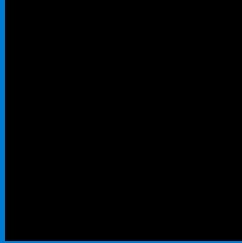
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 007BD3 Background



This preview shows how black text looks on a background with the Hex color 007BD3.

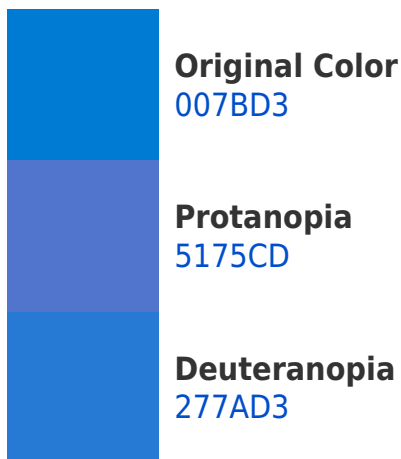


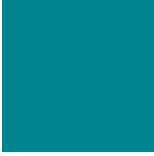
This preview shows how white text looks on a background with the Hex color 007BD3.

# 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**  
00858E

# Trichromacy



**Original Color**  
007BD3

**Protanomaly**  
3477CF

**Deuteranomaly**  
197AD3

**Tritanomaly**  
0081A7

# Monochromacy



**Original Color**  
007BD3

**Achromatopsia**  
606060

**Achromatomaly**  
3D6A8A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007BD3 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 #007BD3 looks like.

```
.text, #text, p{  
  color:#007BD3  
}
```

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 #007BD3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007BD3
}
```

## Border

The CSS property to change the border of an element to Hex 007BD3 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
#007BD3 }
```

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

```
.border{ border-color:#007BD3 }
```

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

Here you see how a box with a 4 pixel #007BD3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007BD3; -webkit-box-shadow:4px 4px  
4px 4px #007BD3; box-shadow:4px 4px 4px  
4px #007BD3 }
```

# Background

The CSS property to change the background color of an element to Hex 007BD3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007BD3 }
```

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

```
.background{ background-color:#007BD3 }
```

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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