

# Converting Colors

Hex(007DE2)

Have a look what the booklet for  
Hex(007DE2) contains.

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# Color

Hex(007DE2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007DE2
RGB	0, 125, 226
RGB Percent	0%, 49%, 89%
CMY	1.0000, 0.5098, 0.1137
CMYK	1.00, 0.45, 0.00, 0.11
HSL	207°, 100%, 44%
HSV	207°, 100%, 89%
XYZ	21.0611, 20.1582, 74.7324
YIQ	99.1390, -106.9210, 4.9110

# Conversions

## Conversions Part 2

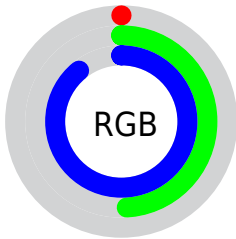
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 80, 226
Decimal	32226
CIELab	52.02, 9.39, -59.15
CIELCh	52, 59.892, 279.023
Yxy	20.1582, 0.1816, 0.1739
Android (android.graphics.Color)	4278222306 (0xFF007DE2)
YUV	99.1390, 62.5425, -86.9449
Hunter-Lab	44.8979, 5.1609, -67.2594

# Details

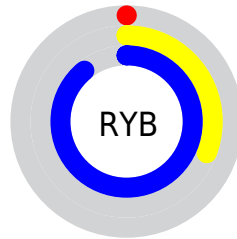
The Hex color **007DE2** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **E26500**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **68B1FF**, and **004DAA** is the 20% darker color. If you saturate the color by 10%, you get **007DE2**, and if you desaturate by 10%, it is **1787E2**.

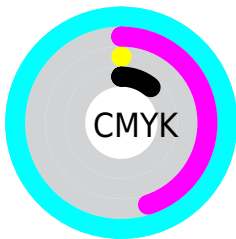
# Distribution



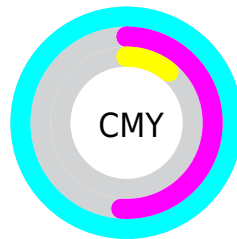
- Red (0%)
- Green (49%)
- Blue (89%)



- Red (0%)
- Yellow (31%)
- Blue (89%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (51%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007DE2 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 007DE2 by changing the saturation by 10% instead.



007DE2

007DE2

FFFFFF

0064C6

68B1FF

004DAA

89CCFF

00378F

A9E8FF

002375

C8FFFF

000D5B


E7FFFF

000743

00032C

000116

000000

 007DE2

 1787E2

 2D91E2

 449BE2

 5AA5E2

 71B0E2

 88BAE2

 9EC4E2

 B5CEE2

 CBD8E2

# Harmonies

## Analogous

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



008BDC



007DE2



9167CC

# Triad

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



007DE2



CF563E



009155

# Complementary

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



007DE2



E26500

# 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.



4E8B23



007DE2



B16C10

# Square

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



007DE2



D7476F



867F00



00948B

# Rectangle

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



007DE2



B857B2



867F00



009044

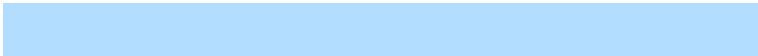


# Sweetspot

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



007DE2



B3DDFF



00E262



526B80



000000



808080

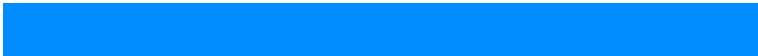


# Same Dimension

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



007DE2



008DFF



000FE2



656B70



0061B0



001B30



# Inverse Universe

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



E2007D



FF008D



E2D300



70656B



B00061



30001B



# Previews

## White Background



This preview shows how the Hex color 007DE2 looks on a white background.

## Color Contrast Check

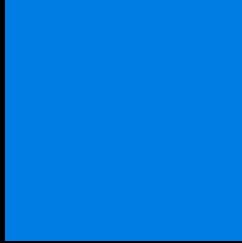
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 007DE2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

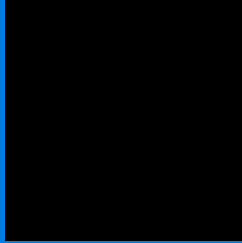
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

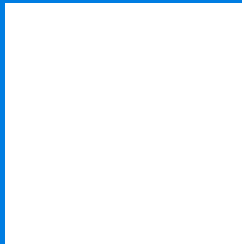
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 007DE2 Background



This preview shows how black text looks on a background with the Hex color 007DE2.



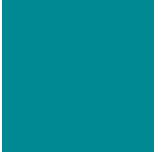
This preview shows how white text looks on a background with the Hex color 007DE2.

# 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](#).

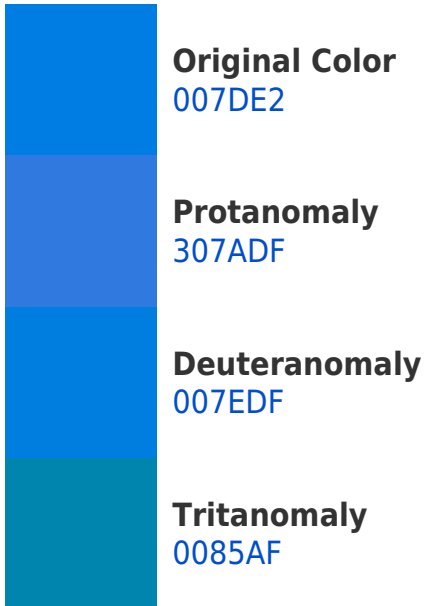
## Dichromacy





**Tritanopia**  
008992

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007DE2 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 #007DE2 looks like.

```
.text, #text, p{  
  color:#007DE2  
}
```

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 #007DE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007DE2
}
```

## Border

The CSS property to change the border of an element to Hex 007DE2 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
#007DE2 }
```

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

```
.border{ border-color:#007DE2 }
```

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

Here you see how a box with a 4 pixel #007DE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007DE2; -webkit-box-shadow:4px 4px  
4px 4px #007DE2; box-shadow:4px 4px 4px  
4px #007DE2 }
```

# Background

The CSS property to change the background color of an element to Hex 007DE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007DE2 }
```

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

```
.background{ background-color:#007DE2 }
```

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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