

# Converting Colors

Hex(0637D4)

Have a look what the booklet for  
Hex(0637D4) contains.

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# Color

**Hex(0637D4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0637D4
RGB	6, 55, 212
RGB Percent	2%, 22%, 83%
CMY	0.9765, 0.7843, 0.1686
CMYK	0.97, 0.74, 0.00, 0.17
HSL	226°, 94%, 43%
HSV	226°, 97%, 83%
XYZ	13.3250, 7.5246, 63.0374
YIQ	58.2470, -79.6010, 38.4390

# Conversions

## Conversions Part 2

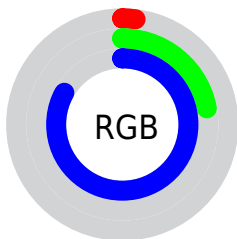
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 46, 212
Decimal	407508
CIELab	32.97, 48.66, -82.25
CIELCh	33, 95.568, 300.606
Yxy	7.5246, 0.1588, 0.0897
Android (android.graphics.Color)	4278597588 (0xFF0637D4)
YUV	58.2470, 75.8002, -45.8206
Hunter-Lab	27.4309, 38.7047, -117.0493

# Details

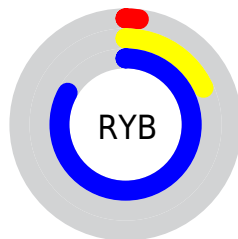
The Hex color **0637D4** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D4A306**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **6A67FF**, and **000C9C** is the 20% darker color. If you saturate the color by 10%, you get **0032D4**, and if you desaturate by 10%, it is **1B47D4**.

# Distribution



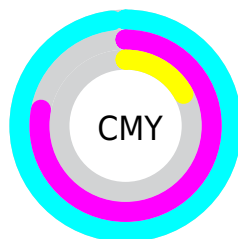
- Red (2%)
- Green (22%)
- Blue (83%)



- Red (2%)
- Yellow (18%)
- Blue (83%)



- Cyan (97%)
- Magenta (74%)
- Yellow (0%)
- Black (17%)



- Cyan (98%)
- Magenta (78%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0637D4 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 0637D4 by changing the saturation by 10% instead.



 0637D4

 0637D4


FFFFFF

 0021B8

 6A67FF

 000C9C

 8B80FF

 000081

 AB9BFF

 000367

 CAB6FF

 000A4D

 EAD1FF

 000536

 FFEEFF

 00021F

 000003

 000000

■ 0637D4

■ 0637D4

■ 0032D4

■ 1B47D4

■ 3057D4

■ 4667D4

■ 5B78D4

■ 7088D4

■ 8598D4

■ 9AA8D4

■ B0B8D4

■ C5C8D4

# Harmonies

## Analogous

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



005BEB



0637D4



A2009A

# Triad

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



0637D4



972000



00664D

# Complementary

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



0637D4



D4A306

# 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.



006300



0637D4



5E4C00

# Square

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



0637D4



BC0005



005D00



00689A

# Rectangle

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



0637D4



BF0069



005D00



006532



# Sweetspot

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



0637D4



B5C7FF



06D4A1



535D80



000000



808080



# Same Dimension

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



0637D4



003DFF



3A06D4



60636B



0029AB



000A2B



# Inverse Universe

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



D40637



FF003D



A1D406



6B6063



AB0029

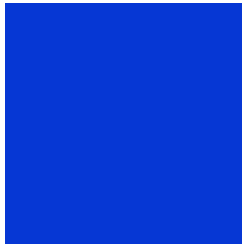


2B000A



# Previews

## White Background



This preview shows how the Hex color 0637D4 looks on a white background.

## Color Contrast Check

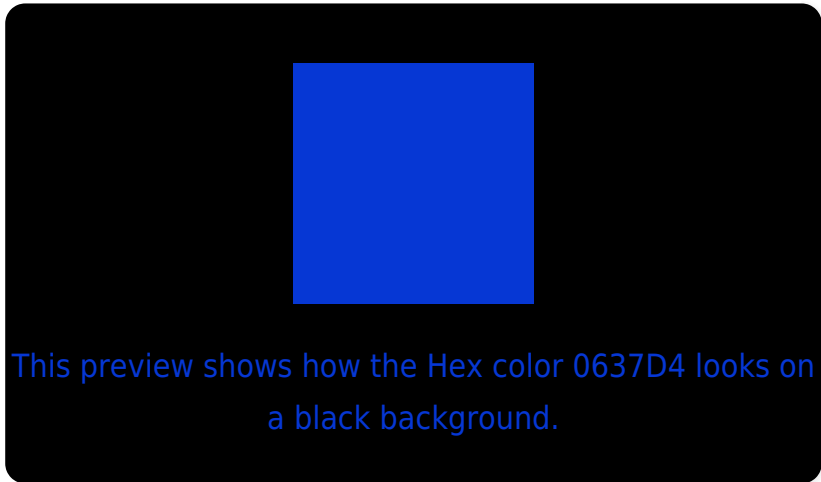
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

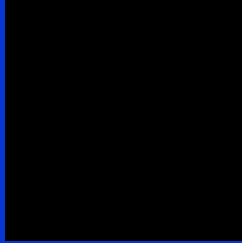
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0637D4 Background



This preview shows how black text looks on a background with the Hex color 0637D4.



This preview shows how white text looks on a background with the Hex color 0637D4.

# 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



**Original Color**  
0637D4

**Protanopia**  
004B9D

**Deuteranopia**  
005085



**Tritanopia**  
00565A

# Trichromacy



**Original Color**  
0637D4

**Protanomaly**  
0244B1

**Deuteranomaly**  
0247A2

**Tritanomaly**  
024B86

# Monochromacy



**Original Color**  
0637D4

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
273972

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0637D4 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 #0637D4 looks like.

```
.text, #text, p{  
    color:#0637D4  
}
```

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 #0637D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0637D4
}
```

## Border

The CSS property to change the border of an element to Hex 0637D4 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
#0637D4 }
```

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

```
.border{ border-color:#0637D4 }
```

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

Here you see how a box with a 4 pixel #0637D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0637D4; -webkit-box-shadow:4px 4px  
4px 4px #0637D4; box-shadow:4px 4px 4px  
4px #0637D4 }
```

# Background

The CSS property to change the background color of an element to Hex 0637D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0637D4 }
```

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

```
.background{ background-color:#0637D4 }
```

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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