

# Converting Colors

Hex(0417E6)

Have a look what the booklet for  
Hex(0417E6) contains.

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**Color**

**Hex(0417E6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0417E6
RGB	4, 23, 230
RGB Percent	2%, 9%, 90%
CMY	0.9843, 0.9098, 0.0980
CMYK	0.98, 0.90, 0.00, 0.10
HSL	235°, 97%, 46%
HSV	235°, 98%, 90%
XYZ	14.6394, 6.3518, 75.3173
YIQ	40.9170, -77.7710, 60.3490

# Conversions

## Conversions Part 2

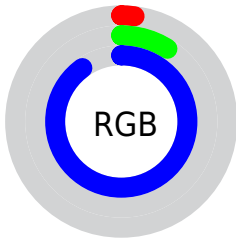
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	4, 22, 230
Decimal	268262
CIE Lab	30.28, 68.52, -97.08
CIE LCh	30, 118.827, 305.216
Yxy	6.3518, 0.1520, 0.0660
Android (android.graphics.Color)	4278458342 (0xFF0417E6)
YUV	40.9170, 93.2179, -32.3762
Hunter-Lab	25.2027, 59.5797, -159.5439

# Details

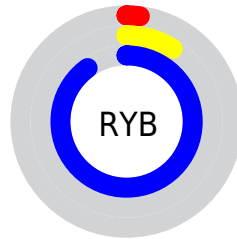
The Hex color **0417E6** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **E6D304**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **724EFF**, and **0000AD** is the 20% darker color. If you saturate the color by 10%, you get **0013E6**, and if you desaturate by 10%, it is **1B2CE6**.

# Distribution



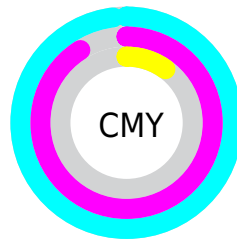
- Red (2%)
- Green (9%)
- Blue (90%)



- Red (2%)
- Yellow (9%)
- Blue (90%)



- Cyan (98%)
- Magenta (90%)
- Yellow (0%)
- Black (10%)



- Cyan (98%)
- Magenta (91%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0417E6 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 0417E6 by changing the saturation by 10% instead.



0417E6

0417E6

FFFFFF

0000C9

724EFF

0000AD

9468FF

000091

B583FF

000376

D69EFF

000E5C

F6BAFF

000743

FFD6FF

00032C

FFF4FF

000117

000000

■ 0417E6

■ 0417E6

■ 0013E6

■ 1B2CE6

■ 3241E6

■ 4956E6

■ 606BE6

■ 7780E6

■ 8E95E6

■ A5AAE6

■ BCC0E6

■ D3D5E6

# Harmonies

## Analogous

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



0057FF



0417E6



B60098

# Triad

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



0417E6



911000



006157

# Complementary

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



0417E6



E6D304

# 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.



005F00



0417E6



4A4B00

# Square

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



0417E6



C30000



005A00



0065B4

# Rectangle

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



0417E6



D2005B



005A00



006036



# Sweetspot

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



0417E6



B5BBFF



04E6CF



535780



000000



808080



# Same Dimension

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



0417E6



0015FF



5E04E6



676873



000FB3



000433



# Inverse Universe

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



E60417



FF0015



8CE604



736768



B3000F

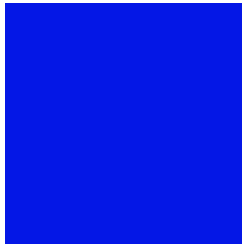


330004



# Previews

## White Background



This preview shows how the Hex color 0417E6 looks on a white background.

## Color Contrast Check

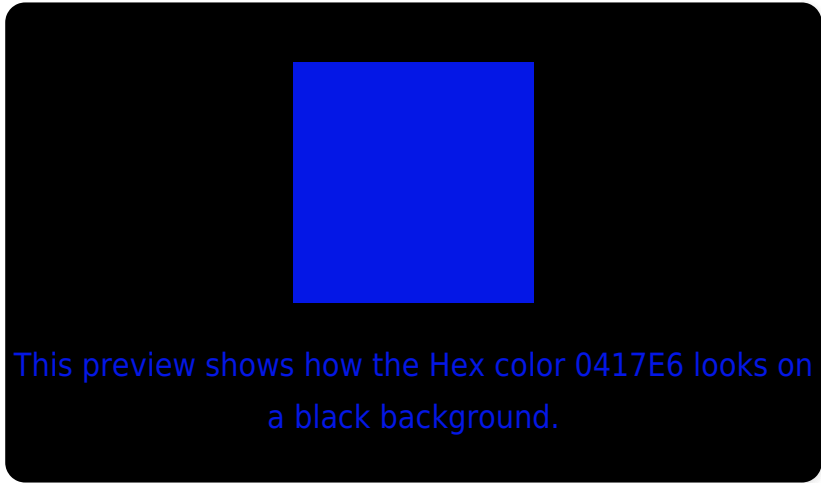
Large Text (above 18pt) WCAG AA ✓ Pass

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 0417E6 Background



This preview shows how black text looks on a background with the Hex color 0417E6.



This preview shows how white text looks on a background with the Hex color 0417E6.

# 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**  
004F53

# Trichromacy



**Original Color**  
0417E6

**Protanomaly**  
0134B0

**Deuteranomaly**  
0137A2

**Tritanomaly**  
013B88

# Monochromacy



**Original Color**  
0417E6

**Achromatopsia**  
292929

**Achromatomaly**  
1C226E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0417E6 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 #0417E6 looks like.

```
.text, #text, p{  
    color:#0417E6  
}
```

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 #0417E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0417E6
}
```

## Border

The CSS property to change the border of an element to Hex 0417E6 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
#0417E6 }
```

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

```
.border{ border-color:#0417E6 }
```

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

Here you see how a box with a 4 pixel #0417E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0417E6; -webkit-box-shadow:4px 4px  
4px 4px #0417E6; box-shadow:4px 4px 4px  
4px #0417E6 }
```

# Background

The CSS property to change the background color of an element to Hex 0417E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0417E6 }
```

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

```
.background{ background-color:#0417E6 }
```

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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