

# Converting Colors

Hex(2471CE)

Have a look what the booklet for  
Hex(2471CE) contains.

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# Color

Hex(2471CE)

# Conversions

## Conversions Part 1

Format	Color
Hex	2471CE
RGB	36, 113, 206
RGB Percent	14%, 44%, 81%
CMY	0.8588, 0.5569, 0.1922
CMYK	0.83, 0.45, 0.00, 0.19
HSL	213°, 70%, 47%
HSV	213°, 83%, 81%
XYZ	17.7733, 16.6416, 60.6679
YIQ	100.5790, -75.7450, 12.5990

# Conversions

## Conversions Part 2

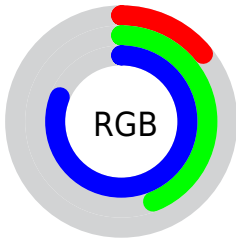
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 89, 206
Decimal	2388430
CIE <sub>Lab</sub>	47.81, 10.90, -54.57
CIE <sub>LCh</sub>	48, 55.644, 281.295
Yxy	16.6416, 0.1869, 0.1750
Android (android.graphics.Color)	4280578510 (0xFF2471CE)
YUV	100.5790, 51.9726, -56.6358
Hunter-Lab	40.7941, 6.3797, -59.6188

# Details

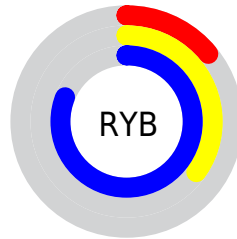
The Hex color **2471CE** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **CE8124**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **6EA4FF**, and **004297** is the 20% darker color. If you saturate the color by 10%, you get **0F66CE**, and if you desaturate by 10%, it is **397CCE**.

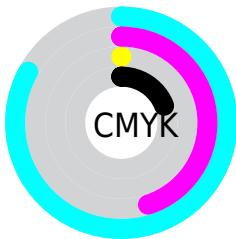
# Distribution



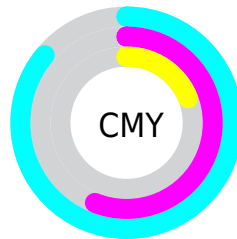
- Red (14%)
- Green (44%)
- Blue (81%)



- Red (14%)
- Yellow (35%)
- Blue (81%)



- Cyan (83%)
- Magenta (45%)
- Yellow (0%)
- Black (19%)



- Cyan (86%)
- Magenta (56%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2471CE 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 2471CE by changing the saturation by 10% instead.



 2471CE

 2471CE

FFFFFF

 0059B2

 6EA4FF

 004297

 8DBFFF

 002D7D

 ABDBFF

 001A63

 C9F7FF

 00084A

 E8FFFF

 000433

 00021D

 000000

 2471CE

 2471CE

■ 0F66CE

■ 397CCE

■ 005DCE

■ 4D88CE

■ 6293CE

■ 769ECE

■ 8BA9CE

■ A0B5CE

■ B4C0CE

■ C9CBCE

■ DDD6CE

# Harmonies

## Analogous

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



007FCA



2471CE



8A5DB9

# Triad

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



2471CE



BC5035



008552

# Complementary

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



2471CE



CE8124

# 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.



438024



2471CE



A0640C

# Square

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



2471CE



C54262



787500



008782

# Rectangle

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



2471CE



AB4E9F



787500



008442



# Sweetspot

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



2471CE



BFDCFF



24CE7F



596B80



000000



808080



# Same Dimension

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



2471CE



0375FF



2A24CE



5C6066



004BA6



001126



# Inverse Universe

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



CE2471



FF0375



C8CE24



665C60



A6004B



260011



# Previews

## White Background



This preview shows how the Hex color 2471CE looks on a white background.

## Color Contrast Check

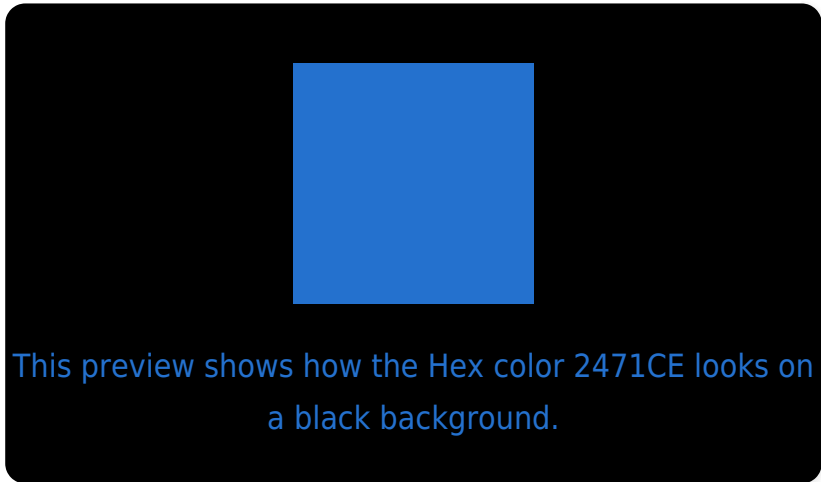
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

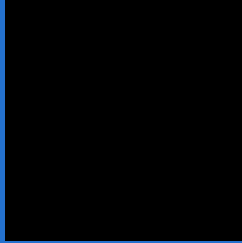
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

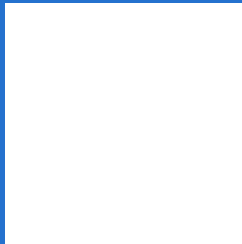
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2471CE Background



This preview shows how black text looks on a background with the Hex color 2471CE.



This preview shows how white text looks on a background with the Hex color 2471CE.

# 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](#).

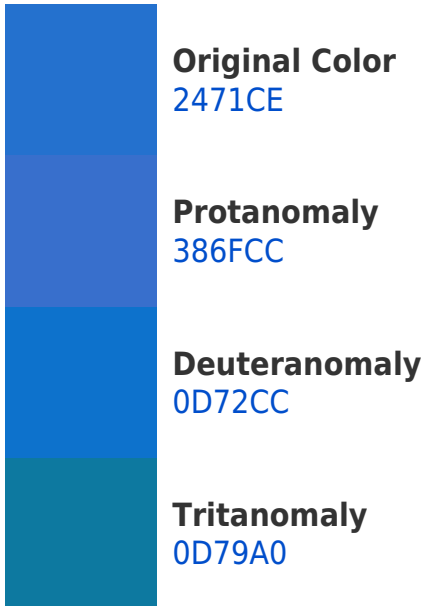
## Dichromacy





**Tritanopia**  
007D86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2471CE 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 #2471CE looks like.

```
.text, #text, p{  
    color:#2471CE  
}
```

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 #2471CE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2471CE
}
```

## Border

The CSS property to change the border of an element to Hex 2471CE is called "border". The border property can be set on classes, ids or directly on the HTML element.

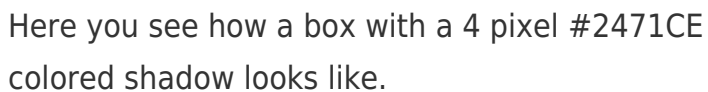
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2471CE }
```

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

```
.border{ border-color:#2471CE }
```

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



Here you see how a box with a 4 pixel #2471CE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2471CE; -webkit-box-shadow:4px 4px  
4px 4px #2471CE; box-shadow:4px 4px 4px  
4px #2471CE }
```

# Background

The CSS property to change the background color of an element to Hex 2471CE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2471CE }
```

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

```
.background{ background-color:#2471CE }
```

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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