

# Converting Colors

Hex(2402E0)

Have a look what the booklet for  
Hex(2402E0) contains.

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# Color

**Hex(2402E0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2402E0
RGB	36, 2, 224
RGB Percent	14%, 1%, 88%
CMY	0.8588, 0.9922, 0.1216
CMYK	0.84, 0.99, 0.00, 0.12
HSL	249°, 98%, 44%
HSV	249°, 99%, 88%
XYZ	14.2038, 5.8003, 70.8920
YIQ	37.4740, -50.9980, 76.2500

# Conversions

## Conversions Part 2

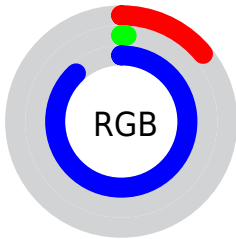
Format	Color
<b>RYB</b>	36, 2, 224
Decimal	2360032
CIELab	28.90, 71.79, -95.93
CIELCh	29, 119.812, 306.810
Yxy	5.8003, 0.1563, 0.0638
Android (android.graphics.Color)	4280550112 (0xFF2402E0)
YUV	37.4740, 91.9573, -1.2927
Hunter-Lab	24.0838, 63.1265, -157.6645

# Details

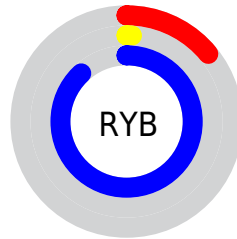
The Hex color **2402E0** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **BEE002**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **7945FF**, and **0000A7** is the 20% darker color. If you saturate the color by 10%, you get **2200E0**, and if you desaturate by 10%, it is **3718E0**.

# Distribution



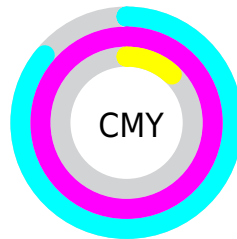
- Red (14%)
- Green (1%)
- Blue (88%)



- Red (14%)
- Yellow (1%)
- Blue (88%)



- Cyan (84%)
- Magenta (99%)
- Yellow (0%)
- Black (12%)



- Cyan (86%)
- Magenta (99%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2402E0 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 2402E0 by changing the saturation by 10% instead.



 2402E0

 2402E0

FFFFFF

 0000C3

 7945FF

 0000A7

 9B60FF

 00008B

 BB7BFF

 000271

 DB96FF

 000C57

 FBB2FF

 00063F

 FFCFFF

 000328

 FFECFF

 000111

 000000

■ 2402E0

■ 2402E0

■ 2200E0

■ 3718E0

■ 4A2FE0

■ 5D45E0

■ 705CE0

■ 8372E0

■ 9688E0

■ A99FE0

■ BCB5E0

■ CFCCE0

# Harmonies

## Analogous

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



0053FF



2402E0



B60090

# Triad

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



2402E0



8A1200



005E59

# Complementary

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



2402E0



BEE002

# 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.



005B00



2402E0



414900

# Square

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



2402E0



BD0000



005700



0061B6

# Rectangle

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



2402E0



CF0053



005700



005D38



# Sweetspot

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



2402E0



BEB3FF



02BFEO



595280



000000



808080



# Same Dimension

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



2402E0



2700FF



9202E0



676570



1B00B0



070030



# Inverse Universe

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



E002BE



FF00D8



50E002



70656E



B00095

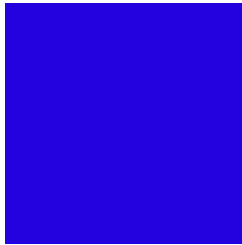


300029



# Previews

## White Background



This preview shows how the Hex color 2402E0 looks on a white background.

## Color Contrast Check

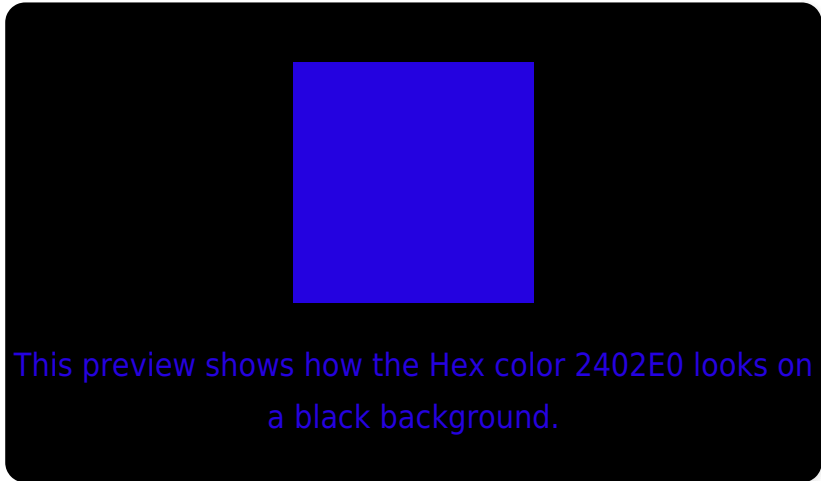
Large Text (above 18pt) WCAG AA ✓ Pass

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

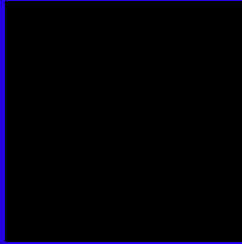
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2402E0 Background



This preview shows how black text looks on a background with the Hex color 2402E0.



This preview shows how white text looks on a background with the Hex color 2402E0.

# 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**  
2402E0

**Protanopia**  
00438D

**Deuteranopia**  
004877



# Trichromacy



**Original Color**  
2402E0

**Protanomaly**  
0D2BAB

**Deuteranomaly**  
0D2F9D

**Tritanomaly**  
0D3285

# Monochromacy



**Original Color**  
2402E0

**Achromatopsia**  
252525

**Achromatomaly**  
251869

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2402E0 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 #2402E0 looks like.

```
.text, #text, p{  
    color:#2402E0  
}
```

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 #2402E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2402E0
}
```

## Border

The CSS property to change the border of an element to Hex 2402E0 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
#2402E0 }
```

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

```
.border{ border-color:#2402E0 }
```

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

Here you see how a box with a 4 pixel #2402E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2402E0; -webkit-box-shadow:4px 4px  
4px 4px #2402E0; box-shadow:4px 4px 4px  
4px #2402E0 }
```

# Background

The CSS property to change the background color of an element to Hex 2402E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2402E0 }
```

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

```
.background{ background-color:#2402E0 }
```

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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