

# Converting Colors

Hex(2437BF)

Have a look what the booklet for  
Hex(2437BF) contains.

<b>Hex(2437BF)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(2437BF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2437BF
RGB	36, 55, 191
RGB Percent	14%, 22%, 75%
CMY	0.8588, 0.7843, 0.2510
CMYK	0.81, 0.71, 0.00, 0.25
HSL	233°, 68%, 45%
HSV	233°, 81%, 75%
XYZ	11.4977, 6.8690, 50.0101
YIQ	64.8230, -54.9800, 38.2680

# Conversions

## Conversions Part 2

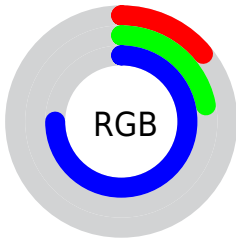
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 53, 191
Decimal	2373567
CIE <sub>Lab</sub>	31.51, 42.51, -72.40
CIE <sub>LCh</sub>	32, 83.960, 300.420
Yxy	6.8690, 0.1682, 0.1005
Android (android.graphics.Color)	4280563647 (0xFF2437BF)
YUV	64.8230, 62.2053, -25.2778
Hunter-Lab	26.2088, 32.4418, -94.7873

# Details

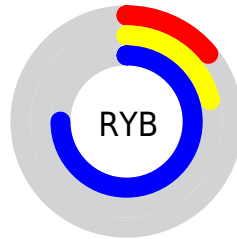
The Hex color **2437BF** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **BFAC24**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **6D67F9**, and **000D88** is the 20% darker color. If you saturate the color by 10%, you get **1126BF**, and if you desaturate by 10%, it is **3748BF**.

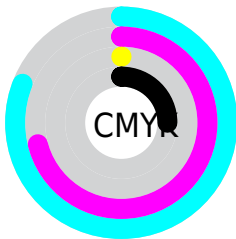
# Distribution



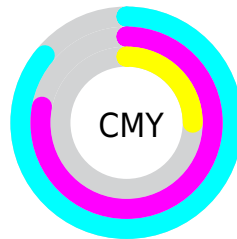
- Red (14%)
- Green (22%)
- Blue (75%)



- Red (14%)
- Yellow (21%)
- Blue (75%)



- Cyan (81%)
- Magenta (71%)
- Yellow (0%)
- Black (25%)



- Cyan (86%)
- Magenta (78%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2437BF 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 2437BF by changing the saturation by 10% instead.



■ 2437BF

■ 2437BF

FFFFFF

■ 0021A3

■ 6D67F9

■ 000D88

■ 8C80FF

■ 00006E

■ AB9AFF

■ 000754

■ C9B5FF

■ 00063C

■ E8D1FF

■ 000225

■ FFEDFF

■ 00010E

■ 000000

■ 2437BF

■ 2437BF

■ 1126BF

■ 3748BF

■ 0017BF

■ 4A59BF

■ 5D69BF

■ 707ABF

■ 848BBF

■ 979CBF

■ AAACBF

■ BDBDBF

■ D0CEBF

# Harmonies

## Analogous

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



0055D2



2437BF



94008D

# Triad

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



2437BF



8C2500



00614A

# Complementary

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



2437BF



BFAC24

# 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.



005E00



2437BF



5B4900

# Square

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



2437BF



AC000C



005800



00628C

# Rectangle

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



2437BF



AD0062



005800



006032



# Sweetspot

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



2437BF



BCC3F7



24BFAA



595D7D



FCFCFC



7D7D7D



# Same Dimension

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



2437BF



0725F7



5D24BF



55565E



00139E



00041F



# Inverse Universe

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



BF2437



F70725



86BF24



5E5556



9E0013

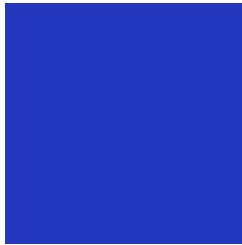


1F0004



# Previews

## White Background



This preview shows how the Hex color 2437BF looks on a white background.

## Color Contrast Check

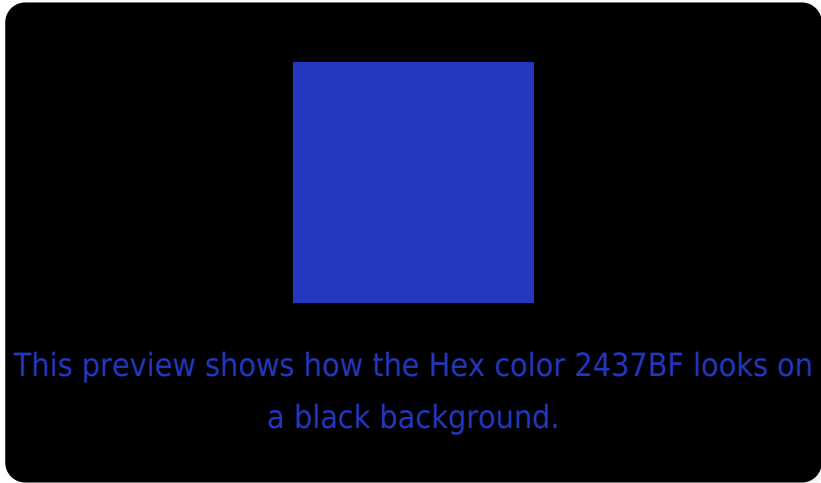
Large Text (above 18pt) WCAG AA ✓ Pass

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

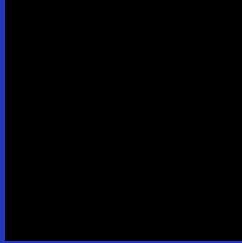
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2437BF Background



This preview shows how black text looks on a background with the Hex color 2437BF.



This preview shows how white text looks on a background with the Hex color 2437BF.

# 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**  
2437BF

**Protanopia**  
004796

**Deuteranopia**  
004C80



# Trichromacy



**Original Color**  
2437BF

**Protanomaly**  
0D41A5

**Deuteranomaly**  
0D4497

**Tritanomaly**  
0D487D

# Monochromacy



**Original Color**  
2437BF

**Achromatopsia**  
414141

**Achromatomaly**  
363D6F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2437BF 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 #2437BF looks like.

```
.text, #text, p{  
  color:#2437BF  
}
```

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 #2437BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2437BF
}
```

## Border

The CSS property to change the border of an element to Hex 2437BF is called "border". The border property can be set on classes, ids or directly on the HTML element.

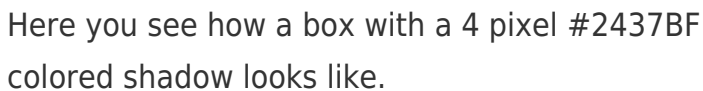
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2437BF }
```

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

```
.border{ border-color:#2437BF }
```

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



Here you see how a box with a 4 pixel #2437BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2437BF; -webkit-box-shadow:4px 4px  
4px 4px #2437BF; box-shadow:4px 4px 4px  
4px #2437BF }
```

# Background

The CSS property to change the background color of an element to Hex 2437BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2437BF }
```

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

```
.background{ background-color:#2437BF }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor