

# Converting Colors

Hex(2432BD)

Have a look what the booklet for  
Hex(2432BD) contains.

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# Color

**Hex(2432BD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2432BD
RGB	36, 50, 189
RGB Percent	14%, 20%, 74%
CMY	0.8588, 0.8039, 0.2588
CMYK	0.81, 0.74, 0.00, 0.26
HSL	235°, 68%, 44%
HSV	235°, 81%, 74%
XYZ	11.0535, 6.3304, 48.7834
YIQ	61.6600, -52.9630, 40.2610

# Conversions

## Conversions Part 2

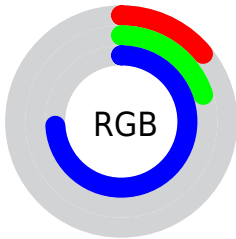
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 49, 189
Decimal	2372285
CIE <sub>Lab</sub>	30.23, 44.78, -73.33
CIE <sub>LCh</sub>	30, 85.923, 301.413
Yxy	6.3304, 0.1671, 0.0957
Android (android.graphics.Color)	4280562365 (0xFF2432BD)
YUV	61.6600, 62.7786, -22.5038
Hunter-Lab	25.1603, 34.3885, -97.3456

# Details

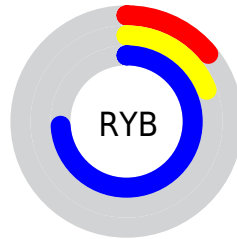
The Hex color **2432BD** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **BDAF24**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **6D62F7**, and **000786** is the 20% darker color. If you saturate the color by 10%, you get **1121BD**, and if you desaturate by 10%, it is **3743BD**.

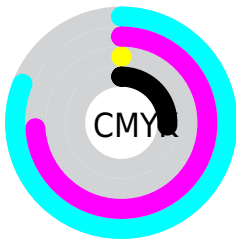
# Distribution



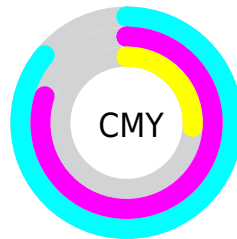
- Red (14%)
- Green (20%)
- Blue (74%)



- Red (14%)
- Yellow (19%)
- Blue (74%)



- Cyan (81%)
- Magenta (74%)
- Yellow (0%)
- Black (26%)



- Cyan (86%)
- Magenta (80%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2432BD 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 2432BD by changing the saturation by 10% instead.



 2432BD

 2432BD

FFFFFF

 001CA1

 6D62F7

 000786

 8C7BFF

 00006C

 AB95FF

 000953

 C9B0FF

 00063A

 E8CBFF

 000224

 FFE8FF

 00000C

 000000

 2432BD

 2432BD

■ 1121BD

■ 3743BD

■ 0011BD

■ 4A54BD

■ 5D66BD

■ 7077BD

■ 8388BD

■ 9599BD

■ A8AABD

■ BBBBBD

■ CECDBD

# Harmonies

## Analogous

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



0052D2



2432BD



930089

# Triad

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



2432BD



882300



005E49

# Complementary

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



2432BD



BDAF24

# 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



2432BD



554700

# Square

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



2432BD



A90004



005500



005F8D

# Rectangle

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



2432BD



AC005E



005500



005D31



# Sweetspot

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



2432BD



BABFF5



24BDAE



575A7A



FAFAFA



7A7A7A



# Same Dimension

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



2432BD



071DF5



6124BD



55565E



000E9E



00031F



# Inverse Universe

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



BD2432



F5071D



80BD24



5E5556



9E000E

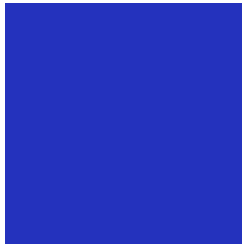


1F0003



# Previews

## White Background



This preview shows how the Hex color 2432BD looks on a white background.

## Color Contrast Check

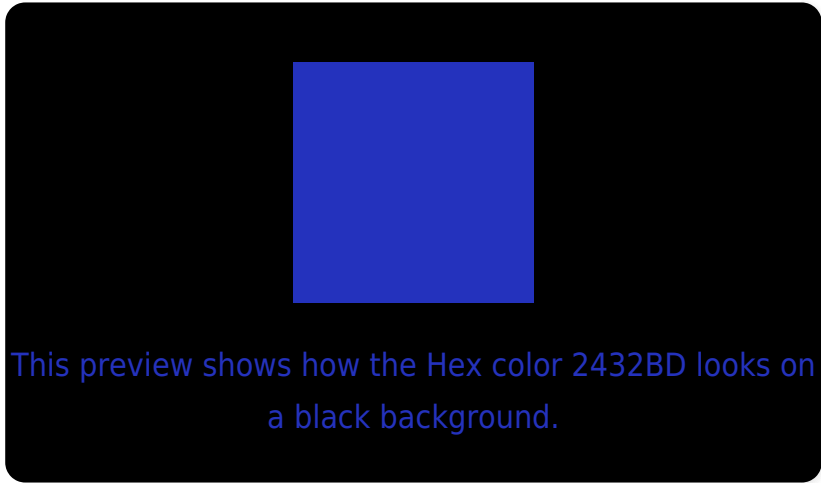
Large Text (above 18pt) WCAG AA ✓ Pass

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

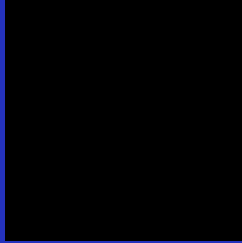
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2432BD Background



This preview shows how black text looks on a background with the Hex color 2432BD.



This preview shows how white text looks on a background with the Hex color 2432BD.

# 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**  
2432BD

**Protanomaly**  
0D3DA0

**Deuteranomaly**  
0D4193

**Tritanomaly**  
0D447A

# Monochromacy



**Original Color**  
2432BD

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
353A6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2432BD 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 #2432BD looks like.

```
.text, #text, p{  
    color:#2432BD  
}
```

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 #2432BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2432BD
}
```

## Border

The CSS property to change the border of an element to Hex 2432BD 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
#2432BD }
```

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

```
.border{ border-color:#2432BD }
```

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

Here you see how a box with a 4 pixel #2432BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2432BD; -webkit-box-shadow:4px 4px  
4px 4px #2432BD; box-shadow:4px 4px 4px  
4px #2432BD }
```

# Background

The CSS property to change the background color of an element to Hex 2432BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2432BD }
```

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

```
.background{ background-color:#2432BD }
```

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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