

# Converting Colors

Hex(2332DC)

Have a look what the booklet for  
Hex(2332DC) contains.

<b>Hex(2332DC)</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(2332DC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2332DC
RGB	35, 50, 220
RGB Percent	14%, 20%, 86%
CMY	0.8627, 0.8039, 0.1373
CMYK	0.84, 0.77, 0.00, 0.14
HSL	235°, 73%, 50%
HSV	235°, 84%, 86%
XYZ	14.7520, 7.8058, 68.4393
YIQ	64.8950, -63.5100, 49.6900

# Conversions

## Conversions Part 2

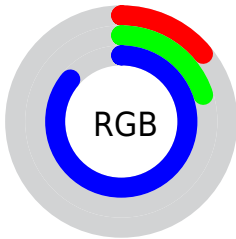
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	35, 49, 220
Decimal	2306780
CIELab	33.58, 55.02, -85.85
CIELCh	34, 101.964, 302.655
Yxy	7.8058, 0.1621, 0.0858
Android (android.graphics.Color)	4280496860 (0xFF2332DC)
YUV	64.8950, 76.4668, -26.2179
Hunter-Lab	27.9389, 45.3565, -125.6798

# Details

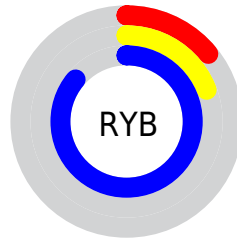
The Hex color **2332DC** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **DCCD23**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **7563FF**, and **0003A3** is the 20% darker color. If you saturate the color by 10%, you get **0D1EDC**, and if you desaturate by 10%, it is **3946DC**.

# Distribution



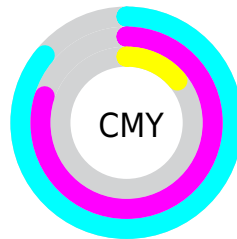
- Red (14%)
- Green (20%)
- Blue (86%)



- Red (14%)
- Yellow (19%)
- Blue (86%)



- Cyan (84%)
- Magenta (77%)
- Yellow (0%)
- Black (14%)



- Cyan (86%)
- Magenta (80%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2332DC 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 2332DC by changing the saturation by 10% instead.



 2332DC

 2332DC

FFFFFF


 001ABF

 7563FF

 0003A3

 967DFF

 000088

 B697FF

 00006E

 D5B2FF

 000B54

 F5CEFF

 00063C

 FFEBFF

 000225

 00010E

 000000

■ 2332DC

■ 2332DC

■ 0D1EDC

■ 3946DC

■ 0012DC

■ 4F5ADC

■ 656FDC

■ 7B83DC

■ 9197DC

■ A7ABDC

■ BDC0DC

■ D3D4DC

■ E9E8DC

# Harmonies

## Analogous

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



005CF7



2332DC



AD009B

# Triad

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



2332DC



982200



006955

# Complementary

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



2332DC



DCCD23

# 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.



006600



2332DC



5B4F00

# Square

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



2332DC



C20000



006000



006BA7

# Rectangle

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



2332DC



C90067



006000



006838



# Sweetspot

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



2332DC



BFC4FF



23DCCD



595C80



000000



808080



# Same Dimension

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



2332DC



0015FF



7023DC



63646E



000EAD



00042E



# Inverse Universe

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



DC2332



FF0015



8FDC23



6E6364



AD000E

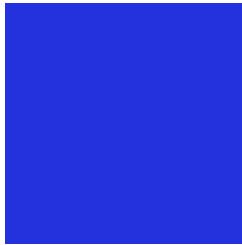


2E0004



# Previews

## White Background



This preview shows how the Hex color 2332DC looks on a white background.

## Color Contrast Check

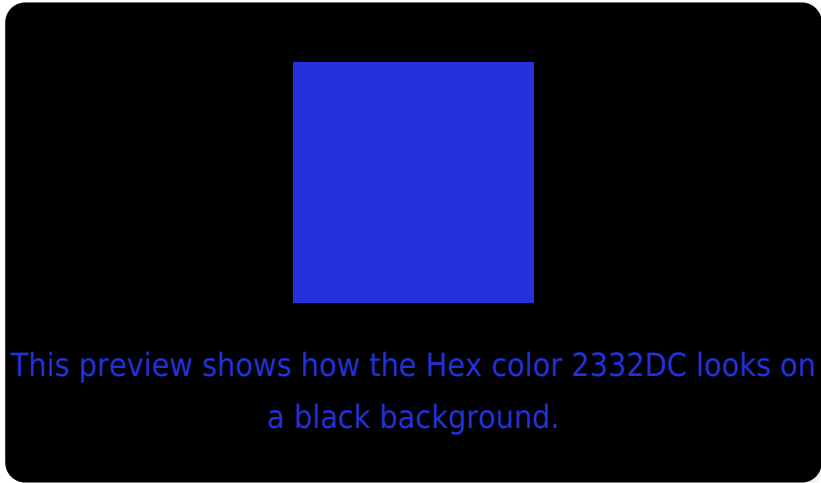
Large Text (above 18pt) WCAG AA ✓ Pass

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

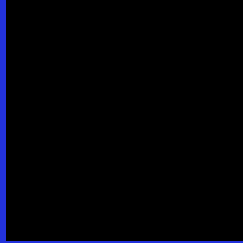
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2332DC Background



This preview shows how black text looks on a background with the Hex color 2332DC.



This preview shows how white text looks on a background with the Hex color 2332DC.

# 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**  
00575C

# Trichromacy



**Original Color**  
2332DC

**Protanomaly**  
0D43B5

**Deuteranomaly**  
0D46A6

**Tritanomaly**  
0D4A8B

# Monochromacy



**Original Color**  
2332DC

**Achromatopsia**  
414141

**Achromatomaly**  
363C79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2332DC 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 #2332DC looks like.

```
.text, #text, p{  
    color:#2332DC  
}
```

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 #2332DC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2332DC
}
```

## Border

The CSS property to change the border of an element to Hex 2332DC 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
#2332DC }
```

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

```
.border{ border-color:#2332DC }
```

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

Here you see how a box with a 4 pixel #2332DC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2332DC; -webkit-box-shadow:4px 4px  
4px 4px #2332DC; box-shadow:4px 4px 4px  
4px #2332DC }
```

# Background

The CSS property to change the background color of an element to Hex 2332DC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2332DC }
```

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

```
.background{ background-color:#2332DC }
```

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