

# Converting Colors

Hex(431BFF)

Have a look what the booklet for  
Hex(431BFF) contains.

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# Color

**Hex(431BFF)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 431BFF                     |
| RGB           | 67, 27, 255                |
| RGB Percent   | 26%, 11%, 100%             |
| CMY           | 0.7373, 0.8941, 0.0000     |
| CMYK          | 0.74, 0.89, 0.00, 0.00     |
| HSL           | 251°, 100%, 55%            |
| HSV           | 251°, 89%, 100%            |
| XYZ           | 20.7567, 9.1972, 95.2890   |
| YIQ           | 64.9520, -49.3480, 79.3880 |

# Conversions

## Conversions Part 2

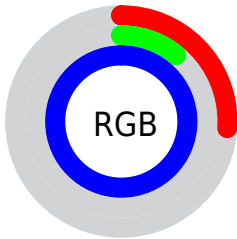
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 67, 27, 255                    |
| Decimal                             | 4398079                        |
| CIELab                              | 36.36, 75.40, -101.03          |
| CIElCh                              | 36, 126.064, 306.737           |
| Yxy                                 | 9.1972, 0.1657,<br>0.0734      |
| Android<br>(android.graphics.Color) | 4282588159<br>(0xFF431BFF)     |
| YUV                                 | 64.9520, 93.6937,<br>1.7961    |
| Hunter-Lab                          | 30.3268, 69.0994,<br>-165.0645 |

# Details

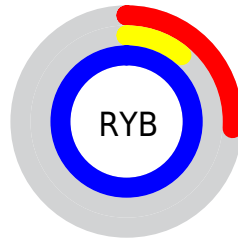
The Hex color **431BFF** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **D7FF1B**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **9056FF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **2E01FF**, and if you desaturate by 10%, it is **5834FF**.

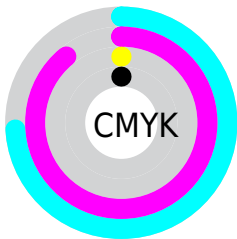
# Distribution



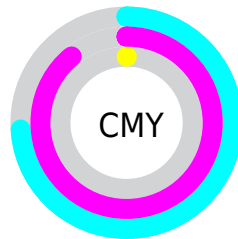
- Red (26%)
- Green (11%)
- Blue (100%)



- Red (26%)
- Yellow (11%)
- Blue (100%)



- Cyan (74%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (89%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 431BFF 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 431BFF by changing the saturation by 10% instead.



 431BFF

 431BFF

FFFFFF

 0000E1

 9056FF

 0000C4

 B171FF

 0000A8

 D28CFF

 00008D

 F2A8FF

 000972

 FFC5FF

 000C58

 FFE2FF

 000740

 000329

 000113

 431BFF

 431BFF

 2E01FF

 5834FF

 2D00FF

 6D4EFF

 8267FF

 9781FF

 AC9AFF

 C1B4FF

 D6CDFF

 EBE7FF

FFFFFF

# Harmonies

## Analogous

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



0064FF



431BFF



D300A8

# Triad

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



431BFF



A52500



00736C

# Complementary

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



431BFF



D7FF1B

# 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.



007000



431BFF



555A00

# Square

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



431BFF



DC0000



006B00



0077D1

# Rectangle

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



431BFF



EF0066



006B00



007248



# Sweetspot

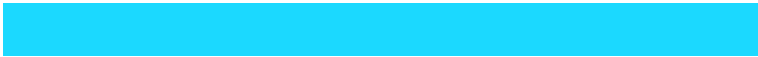
The Sweet Spot groups the original color and five complimentary colors.



431BFF



C6BAFF



1BD9FF



5E5780



000000



808080



# Same Dimension

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



431BFF



2D00FF



B31BFF



757380



2200BF



0B0040



# Inverse Universe

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



FF1BD7



FF00D2



67FF1B



80737D



BF009E

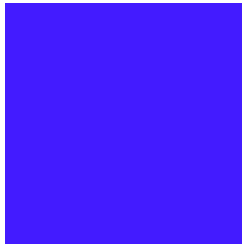


400035



# Previews

## White Background



This preview shows how the Hex color 431BFF looks on a white background.

## Color Contrast Check

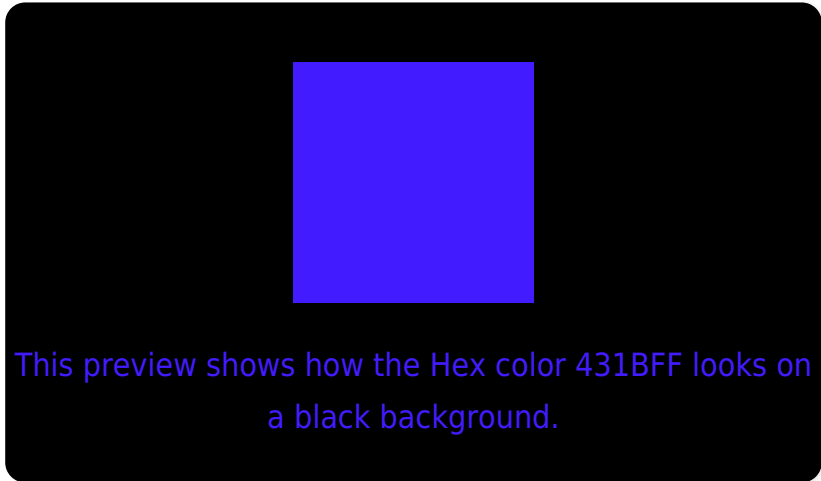
Large Text (above 18pt) WCAG AA ✓ Pass

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

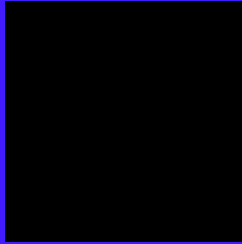
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 431BFF Background



This preview shows how black text looks on a background with the Hex color 431BFF.



This preview shows how white text looks on a background with the Hex color 431BFF.

# 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**  
431BFF

**Protanopia**  
0052AC

**Deuteranopia**  
005892



**Tritanopia**  
005E63

# Trichromacy



**Original Color**  
431BFF

**Protanomaly**  
183ECA

**Deuteranomaly**  
1842BA

**Tritanomaly**  
18469C

# Monochromacy



**Original Color**  
431BFF

**Achromatopsia**  
414141

**Achromatomaly**  
423386

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 431BFF 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 #431BFF looks like.

```
.text, #text, p{  
    color:#431BFF  
}
```

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 #431BFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #431BFF
}
```

## Border

The CSS property to change the border of an element to Hex 431BFF 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
#431BFF }
```

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

```
.border{ border-color:#431BFF }
```

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

Here you see how a box with a 4 pixel #431BFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #431BFF; -webkit-box-shadow:4px 4px  
4px 4px #431BFF; box-shadow:4px 4px 4px  
4px #431BFF }
```

# Background

The CSS property to change the background color of an element to Hex 431BFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#431BFF }
```

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

```
.background{ background-color:#431BFF }
```

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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