

# Converting Colors

Hex(2B01FD)

Have a look what the booklet for  
Hex(2B01FD) contains.

|  |    |
|--|----|
| <b>Hex(2B01FD)</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(2B01FD)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 2B01FD                     |
| RGB           | 43, 1, 253                 |
| RGB Percent   | 17%, 0%, 99%               |
| CMY           | 0.8314, 0.9961, 0.0078     |
| CMYK          | 0.83, 1.00, 0.00, 0.01     |
| HSL           | 250°, 99%, 50%             |
| HSV           | 250°, 100%, 99%            |
| XYZ           | 18.7367, 7.6271, 93.4132   |
| YIQ           | 42.2860, -55.8600, 87.2760 |

# Conversions

## Conversions Part 2

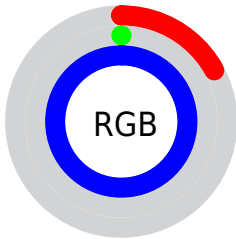
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 43, 1, 253                     |
| Decimal                             | 2818557                        |
| CIELab                              | 33.19, 78.95, -105.22          |
| CIElCh                              | 33, 131.551, 306.883           |
| Yxy                                 | 7.6271, 0.1564,<br>0.0637      |
| Android<br>(android.graphics.Color) | 4281008637<br>(0xFF2B01FD)     |
| YUV                                 | 42.2860, 103.8820,<br>0.6262   |
| Hunter-Lab                          | 27.6173, 72.7717,<br>-181.2113 |

# Details

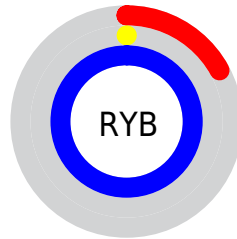
The Hex color **2B01FD** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **D3FD01**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **8349FF**, and **0000C2** is the 20% darker color. If you saturate the color by 10%, you get **2A00FD**, and if you desaturate by 10%, it is **401AFD**.

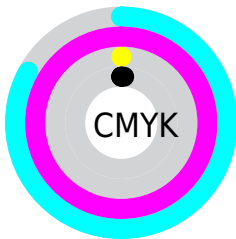
# Distribution



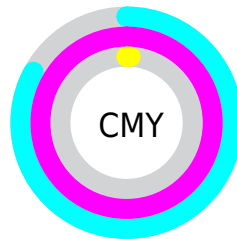
- Red (17%)
- Green (0%)
- Blue (99%)



- Red (17%)
- Yellow (0%)
- Blue (99%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (83%)
- Magenta (100%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B01FD 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 2B01FD by changing the saturation by 10% instead.



 2B01FD

 2B01FD

FFFFFF

 0000DF

 8349FF

 0000C2

 A665FF

 0000A6

 C781FF

 00008A

 E89CFF

 000F70

 FFB9FF

 000C56

 FFD6FF

 00063E

 FFF3FF

 000327

 000110

■ 2B01FD

■ 2B01FD

■ 2A00FD

■ 401AFD

■ 5534FD

■ 6A4DFD

■ 7F66FD

■ 9480FD

■ AA99FD

■ BFB2FD

■ D4CBFD

■ E9E5FD

# Harmonies

## Analogous

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



005EFF



2B01FD



CE00A3

# Triad

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



2B01FD



9C1600



006B65

# Complementary

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



2B01FD



D3FD01

# 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.



006800



2B01FD



4A5300

# Square

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



2B01FD



D60000



006300



006FCE

# Rectangle

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



2B01FD



EB005F



006300



006A40



# Sweetspot

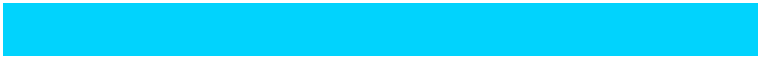
The Sweet Spot groups the original color and five complimentary colors.



2B01FD



BFB3FF



01D3FD



595280



000000



808080



# Same Dimension

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



2B01FD



2B00FF



A901FD



757380



2000BF



0B0040



# Inverse Universe

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



FD01D3



FF00D5



55FD01



80737D



BF009F

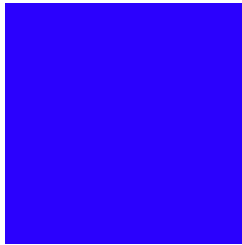


400035



# Previews

## White Background



This preview shows how the Hex color 2B01FD looks on a white background.

## Color Contrast Check

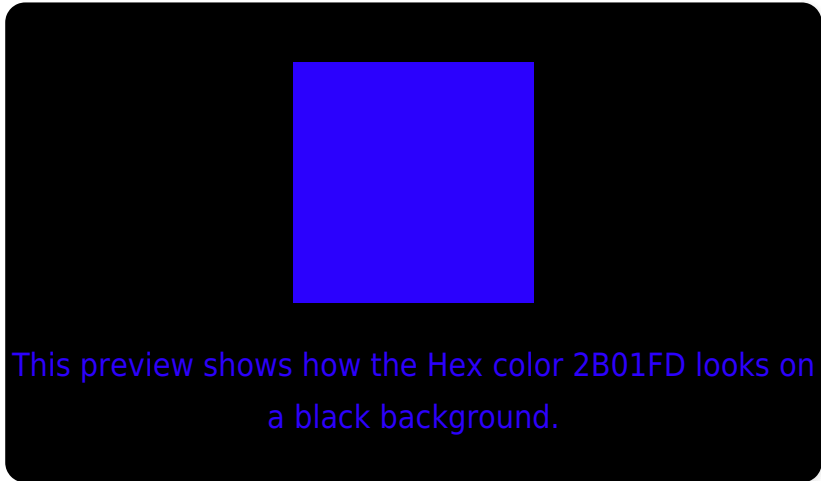
Large Text (above 18pt) WCAG AA ✓ Pass

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 2B01FD Background



This preview shows how black text looks on a background with the Hex color 2B01FD.



This preview shows how white text looks on a background with the Hex color 2B01FD.

# 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**  
2B01FD

**Protanopia**  
004C9F

**Deuteranopia**  
005187



**Tritanopia**  
00575C

# Trichromacy



**Original Color**  
2B01FD

**Protanomaly**  
1031C1

**Deuteranomaly**  
1034B2

**Tritanomaly**  
103897

# Monochromacy



**Original Color**  
2B01FD

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
2A1B77

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B01FD 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 #2B01FD looks like.

```
.text, #text, p{  
    color:#2B01FD  
}
```

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 #2B01FD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B01FD
}
```

## Border

The CSS property to change the border of an element to Hex 2B01FD 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
#2B01FD }
```

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

```
.border{ border-color:#2B01FD }
```

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

Here you see how a box with a 4 pixel #2B01FD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B01FD; -webkit-box-shadow:4px 4px  
4px 4px #2B01FD; box-shadow:4px 4px 4px  
4px #2B01FD }
```

# Background

The CSS property to change the background color of an element to Hex 2B01FD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B01FD }
```

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

```
.background{ background-color:#2B01FD }
```

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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