

# Converting Colors

Hex(2D02FF)

Have a look what the booklet for  
Hex(2D02FF) contains.

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# Color

Hex(2D02FF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D02FF
RGB	45, 2, 255
RGB Percent	18%, 1%, 100%
CMY	0.8235, 0.9922, 0.0000
CMYK	0.82, 0.99, 0.00, 0.00
HSL	250°, 100%, 50%
HSV	250°, 99%, 100%
XYZ	19.1539, 7.8213, 95.1079
YIQ	43.6990, -55.5850, 87.7990

# Conversions

## Conversions Part 2

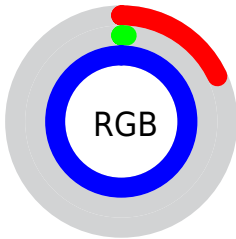
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 2, 255
Decimal	2949887
CIELab	33.61, 79.31, -105.65
CIELCh	34, 132.110, 306.896
Yxy	7.8213, 0.1569, 0.0641
Android (android.graphics.Color)	4281139967 (0xFF2D02FF)
YUV	43.6990, 104.1714, 1.1410
Hunter-Lab	27.9666, 73.3104, -182.0549

# Details

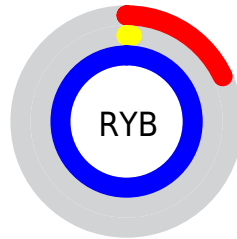
The Hex color **2D02FF** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **D4FF02**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **854AFF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **2B00FF**, and if you desaturate by 10%, it is **421BFF**.

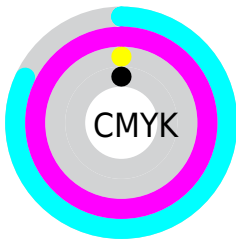
# Distribution



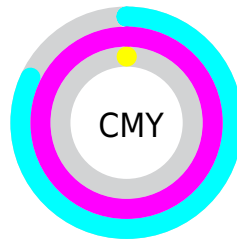
- Red (18%)
- Green (1%)
- Blue (100%)



- Red (18%)
- Yellow (1%)
- Blue (100%)



- Cyan (82%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (99%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D02FF 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 2D02FF by changing the saturation by 10% instead.



 2D02FF

 2D02FF

FFFFFF

 0000E1

 854AFF

 0000C4

 A766FF

 0000A8

 C981FF

 00008C

 EA9DFF

 000E71

 FFBAFF

 000C58

 FFD7FF

 00073F

 FFF4FF

 000329

 000112

 2D02FF

 2D02FF

 2B00FF

 421BFF

 5735FF

 6C4FFF

 8268FF

 9782FF

 AC9BFF

 C1B4FF

 D6CEFF

 EBE8FF

# Harmonies

## Analogous

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



005FFF



2D02FF



D000A4

# Triad

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



2D02FF



9E1700



006C66

# Complementary

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



2D02FF



D4FF02

# 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.



006900



2D02FF



4B5400

# Square

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



2D02FF



D80000



006400



0070D0

# Rectangle

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



2D02FF



ED0060



006400



006B41



# Sweetspot

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



2D02FF



C0B3FF



02D5FF



595280



000000



808080



# Same Dimension

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



2D02FF



2B00FF



AB02FF



757380



2100BF



0B0040



# Inverse Universe

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



FF02D4



FF00D4



56FF02



80737D



BF009F

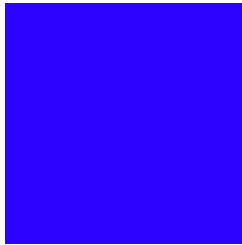


400035



# Previews

## White Background



This preview shows how the Hex color 2D02FF looks on a white background.

## Color Contrast Check

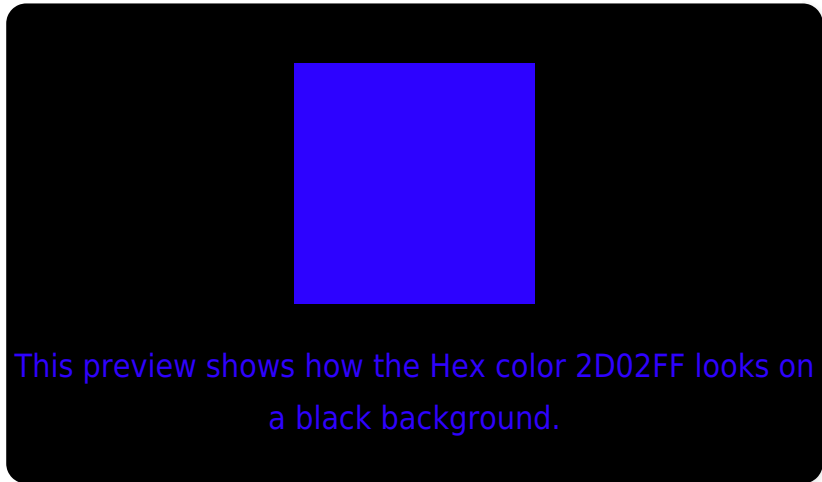
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D02FF Background



This preview shows how black text looks on a background with the Hex color 2D02FF.



This preview shows how white text looks on a background with the Hex color 2D02FF.

# 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**  
2D02FF

**Protanopia**  
004DA1

**Deuteranopia**  
005288



**Tritanopia**  
00585D

# Trichromacy



**Original Color**  
2D02FF

**Protanomaly**  
1032C3

**Deuteranomaly**  
1035B3

**Tritanomaly**  
103998

# Monochromacy



**Original Color**  
2D02FF

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
2C1D79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D02FF 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 #2D02FF looks like.

```
.text, #text, p{  
    color:#2D02FF  
}
```

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 #2D02FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D02FF
}
```

## Border

The CSS property to change the border of an element to Hex 2D02FF 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
#2D02FF }
```

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

```
.border{ border-color:#2D02FF }
```

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

Here you see how a box with a 4 pixel #2D02FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D02FF; -webkit-box-shadow:4px 4px  
4px 4px #2D02FF; box-shadow:4px 4px 4px  
4px #2D02FF }
```

# Background

The CSS property to change the background color of an element to Hex 2D02FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D02FF }
```

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

```
.background{ background-color:#2D02FF }
```

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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