

# Converting Colors

Hex(300DF2)

Have a look what the booklet for  
Hex(300DF2) contains.

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# Color

**Hex(300DF2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	300DF2
RGB	48, 13, 242
RGB Percent	19%, 5%, 95%
CMY	0.8118, 0.9490, 0.0510
CMYK	0.80, 0.95, 0.00, 0.05
HSL	249°, 90%, 50%
HSV	249°, 95%, 95%
XYZ	17.3899, 7.3270, 84.5021
YIQ	49.5710, -52.6490, 78.6390

# Conversions

## Conversions Part 2

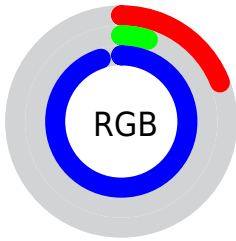
Format	Color
<a href="#">RYB</a>	48, 13, 242
Decimal	3149298
CIELab	32.54, 74.63, -100.10
CIElCh	33, 124.860, 306.704
Yxy	7.3270, 0.1592, 0.0671
Android (android.graphics.Color)	4281339378 (0xFF300DF2)
YUV	49.5710, 94.8675, -1.3778
Hunter-Lab	27.0685, 67.3056, -166.1429

# Details

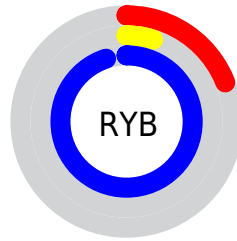
The Hex color **300DF2** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **CFF20D**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **834CFF**, and **0000B8** is the 20% darker color. If you saturate the color by 10%, you get **2500F2**, and if you desaturate by 10%, it is **4525F2**.

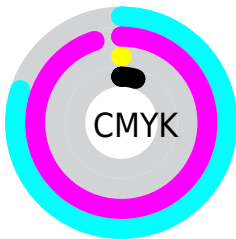
# Distribution



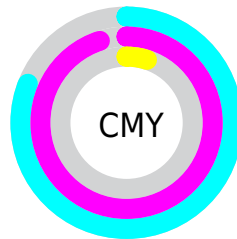
- Red (19%)
- Green (5%)
- Blue (95%)



- Red (19%)
- Yellow (5%)
- Blue (95%)



- Cyan (80%)
- Magenta (95%)
- Yellow (0%)
- Black (5%)



- Cyan (81%)
- Magenta (95%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 300DF2 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 300DF2 by changing the saturation by 10% instead.



 300DF2

 300DF2

FFFFFF

 0000D5

 834CFF

 0000B8

 A567FF

 00009C

 C583FF

 000081

 E69EFF

 001066

 FFBBFF

 000A4D

 FFD7FF

 000535

 FFF5FF

 00021F

 000003

 300DF2

 300DF2

 2500F2

 4525F2

 593DF2

 6E56F2

 826EF2

 9786F2

 AB9EF2

 C0B6F2

 D4CFF2

 E9E7F2

# Harmonies

## Analogous

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



005BFF



300DF2



C6009D

# Triad

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



300DF2



981A00



006862

# Complementary

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



300DF2



CFF20D

# 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



300DF2



4A5100

# Square

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



300DF2



CE0000



006100



006CC5

# Rectangle

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



300DF2



E1005D



006100



00673F



# Sweetspot

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



300DF2



C3B8FF



0DD0F2



5B5480



000000



808080



# Same Dimension

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



300DF2



2700FF



A20DF2



6E6C78



1C00B8



090038



# Inverse Universe

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



F20DCF



FF00D8



5DF20D



786C76



B8009C

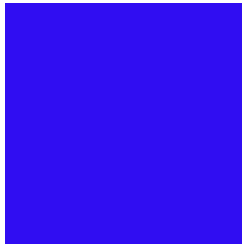


380030



# Previews

## White Background



This preview shows how the Hex color 300DF2 looks on a white background.

## Color Contrast Check

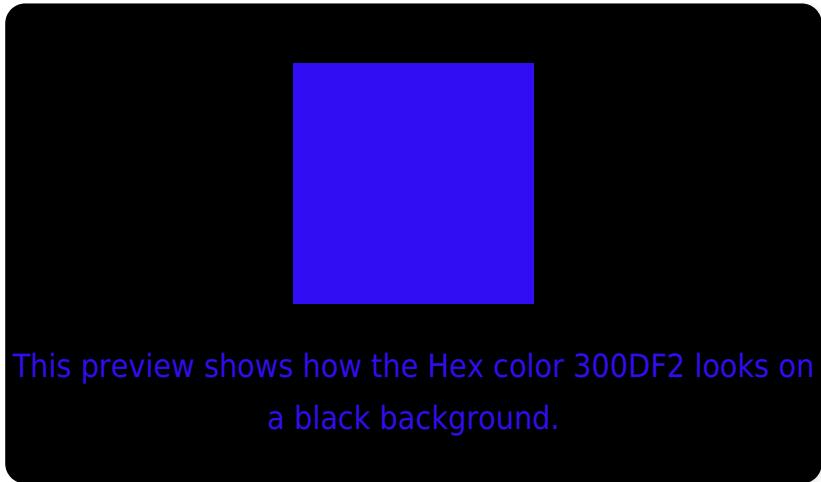
Large Text (above 18pt) WCAG AA ✓ Pass

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 300DF2 Background



This preview shows how black text looks on a background with the Hex color 300DF2.



This preview shows how white text looks on a background with the Hex color 300DF2.

# 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**  
300DF2

**Protanopia**  
004A9B

**Deuteranopia**  
004F83



# Trichromacy



**Original Color**  
300DF2

**Protanomaly**  
1134BB

**Deuteranomaly**  
1137AB

**Tritanomaly**  
113B91

# Monochromacy



**Original Color**  
300DF2

**Achromatopsia**  
323232

**Achromatomaly**  
312578

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 300DF2 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 #300DF2 looks like.

```
.text, #text, p{  
    color:#300DF2  
}
```

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 #300DF2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #300DF2
}
```

## Border

The CSS property to change the border of an element to Hex 300DF2 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
#300DF2 }
```

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

```
.border{ border-color:#300DF2 }
```

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

Here you see how a box with a 4 pixel #300DF2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #300DF2; -webkit-box-shadow:4px 4px  
4px 4px #300DF2; box-shadow:4px 4px 4px  
4px #300DF2 }
```

# Background

The CSS property to change the background color of an element to Hex 300DF2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#300DF2 }
```

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

```
.background{ background-color:#300DF2 }
```

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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