

# Converting Colors

Hex(2F00B0)

Have a look what the booklet for  
Hex(2F00B0) contains.

<b>Hex(2F00B0)</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(2F00B0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F00B0
RGB	47, 0, 176
RGB Percent	18%, 0%, 69%
CMY	0.8157, 1.0000, 0.3098
CMYK	0.73, 1.00, 0.00, 0.31
HSL	256°, 100%, 35%
HSV	256°, 100%, 69%
XYZ	9.0088, 3.7389, 41.3212
YIQ	34.1170, -28.4840, 64.7000

# Conversions

## Conversions Part 2

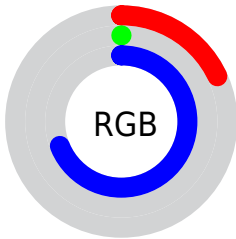
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 0, 176
Decimal	3080368
CIE <sub>Lab</sub>	22.79, 60.78, -77.92
CIE <sub>LCh</sub>	23, 98.822, 307.953
Yxy	3.7389, 0.1666, 0.0692
Android (android.graphics.Color)	4281270448 (0xFF2F00B0)
YUV	34.1170, 69.9483, 11.2984
Hunter-Lab	19.3363, 49.3244, -113.1657

# Details

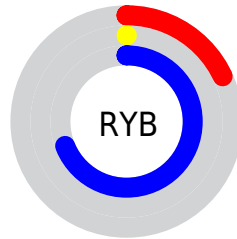
The Hex color **2F00B0** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **81B000**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **733EE9**, and **00007A** is the 20% darker color. If you saturate the color by 10%, you get **2F00B0**, and if you desaturate by 10%, it is **3C12B0**.

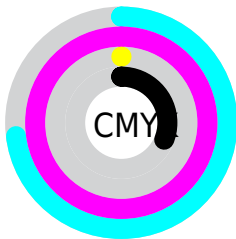
# Distribution



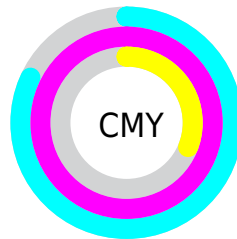
- Red (18%)
- Green (0%)
- Blue (69%)



- Red (18%)
- Yellow (0%)
- Blue (69%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (100%)
- Yellow (31%)
- Black (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F00B0 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 2F00B0 by changing the saturation by 10% instead.



 2F00B0

 2F00B0

FFFFFF

 000094

 733EE9

 00007A

 9258FF

 000060

 B173FF

 000847

 CF8DFF

 00042F

 EEA9FF

 00011A

 FFC5FF

 000000

 FFE2FF

 2F00B0

 3C12B0

 4923B0

 5635B0

 6346B0

 7058B0

 7C6AB0

 897BB0

 968DB0

 A39EB0

# Harmonies

## Analogous

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



0040D1



2F00B0



930070

# Triad

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



2F00B0



6D1500



004C4A

# Complementary

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



2F00B0



81B000

# 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.



004A00



2F00B0



323B00

# Square

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



2F00B0



960000



004600



004E93

# Rectangle

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



2F00B0



A60040



004600



004C2F



# Sweetspot

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



2F00B0



B3A1E6



0081B0



544973



F2F2F2



737373



# Same Dimension

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



2F00B0



3D00E6



8700B0



535059



290099



07001A



# Inverse Universe

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



B00081



E600A8



29B000



595057



990070

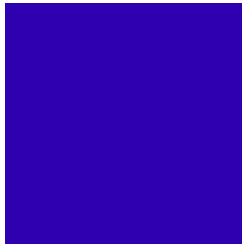


1A0013



# Previews

## White Background



This preview shows how the Hex color 2F00B0 looks on a white background.

## Color Contrast Check

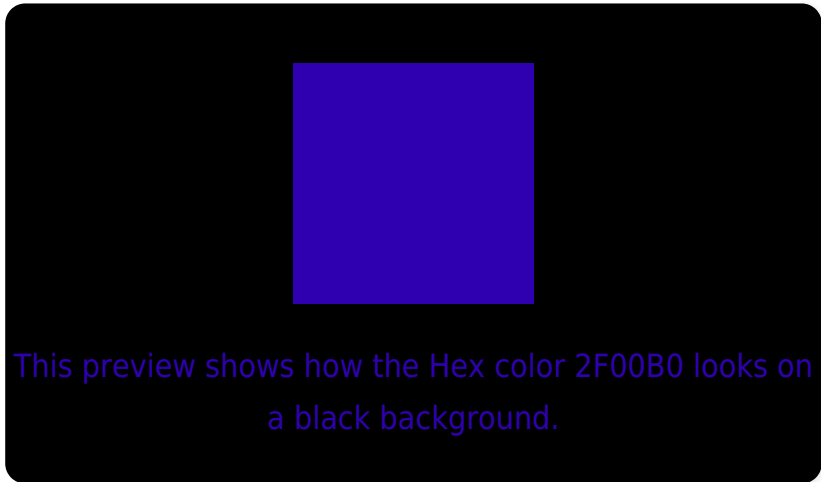
Large Text (above 18pt) WCAG AA ✓ Pass

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

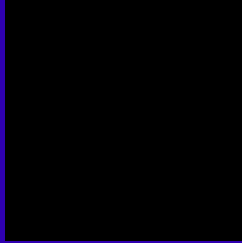
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F00B0 Background



This preview shows how black text looks on a background with the Hex color 2F00B0.



This preview shows how white text looks on a background with the Hex color 2F00B0.

# 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**  
2F00B0

**Protanopia**  
003774

**Deuteranopia**  
003B62



**Tritanopia**  
003F43

# Trichromacy



**Original Color**  
2F00B0

**Protanomaly**  
11238A

**Deuteranomaly**  
11267E

**Tritanomaly**  
11286B

# Monochromacy



**Original Color**  
2F00B0

**Achromatopsia**  
222222

**Achromatomaly**  
271656

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F00B0 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 #2F00B0 looks like.

```
.text, #text, p{  
    color:#2F00B0  
}
```

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 #2F00B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F00B0
}
```

## Border

The CSS property to change the border of an element to Hex 2F00B0 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".

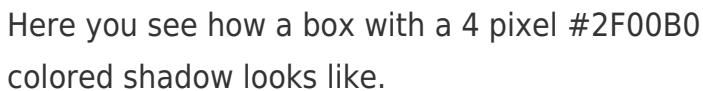
```
.border, #border, table{ border:4px solid
#2F00B0 }
```

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

```
.border{ border-color:#2F00B0 }
```

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

Here you see how a box with a 4 pixel #2F00B0 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset, 4px blur, and 4px spread, colored #2F00B0.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F00B0; -webkit-box-shadow:4px 4px  
4px 4px #2F00B0; box-shadow:4px 4px 4px  
4px #2F00B0 }
```

# Background

The CSS property to change the background color of an element to Hex 2F00B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F00B0 }
```

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

```
.background{ background-color:#2F00B0 }
```

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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