

# Converting Colors

Hex(2F2FAD)

Have a look what the booklet for  
Hex(2F2FAD) contains.

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# Color

**Hex(2F2FAD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F2FAD
RGB	47, 47, 173
RGB Percent	18%, 18%, 68%
CMY	0.8157, 0.8157, 0.3216
CMYK	0.73, 0.73, 0.00, 0.32
HSL	240°, 57%, 43%
HSV	240°, 73%, 68%
XYZ	9.7316, 5.6545, 40.1137
YIQ	61.3640, -40.4460, 39.1860

# Conversions

## Conversions Part 2

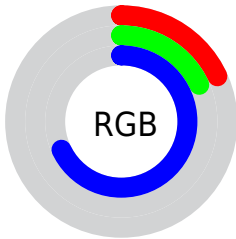
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	47, 47, 173
Decimal	3092397
CIE Lab	28.52, 42.00, -66.61
CIE LCh	29, 78.746, 302.233
Yxy	5.6545, 0.1753, 0.1019
Android (android.graphics.Color)	4281282477 (0xFF2F2FAD)
YUV	61.3640, 55.0365, -12.5972
Hunter-Lab	23.7792, 31.4375, -83.3723

# Details

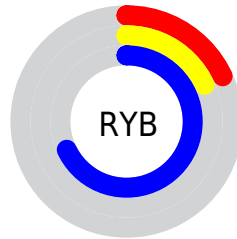
The Hex color **2F2FAD** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **ADAD2F**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **705EE6**, and **000477** is the 20% darker color. If you saturate the color by 10%, you get **1E1EAD**, and if you desaturate by 10%, it is **4040AD**.

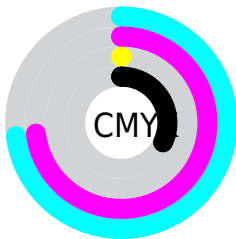
# Distribution



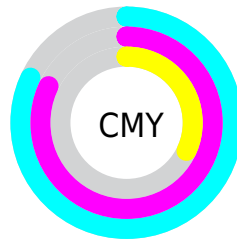
- Red (18%)
- Green (18%)
- Blue (68%)



- Red (18%)
- Yellow (18%)
- Blue (68%)



- Cyan (73%)
- Magenta (73%)
- Yellow (0%)
- Black (32%)



- Cyan (82%)
- Magenta (82%)
- Yellow (32%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F2FAD 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 2F2FAD by changing the saturation by 10% instead.



■ 2F2FAD

■ 2F2FAD

FFFFFF

■ 001992

■ 705EE6

■ 000477

■ 8E78FF

■ 00005E

■ AB92FF

■ 000845

■ C9ACFF

■ 00032E

■ E7C8FF

■ 000118

■ FFE4FF

■ 000000

■ 2F2FAD

■ 2F2FAD

■ 1E1EAD

■ 4040AD

0C0CAD

5252AD

0000AD

6363AD

7474AD

8686AD

9797AD

A8A8AD

B9B9AD

CBCBAD

# Harmonies

## Analogous

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



004CC1



2F2FAD



8A007D

# Triad

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



2F2FAD



7E2400



005847

# Complementary

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



2F2FAD



ADAD2F

# 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.



005600



2F2FAD



4F4300

# Square

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



2F2FAD



9D0004



005000



005984

# Rectangle

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



2F2FAD



A00056



005000



005831



# Sweetspot

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



2F2FAD



AFAFE0



2FADAD



535370



F0F0F0



707070



# Same Dimension

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



2F2FAD



1D1DE0



6E2FAD



4E4E57



000096



000017



# Inverse Universe

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



AD2FAD



E01DE0



6EAD2F



574E57



960096

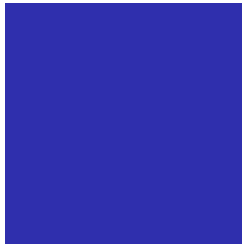


170017



# Previews

## White Background



This preview shows how the Hex color 2F2FAD 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

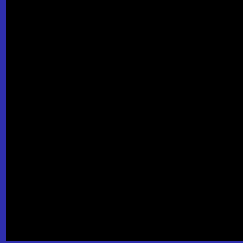
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F2FAD Background



This preview shows how black text looks on a background with the Hex color 2F2FAD.



This preview shows how white text looks on a background with the Hex color 2F2FAD.

# 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**  
2F2FAD

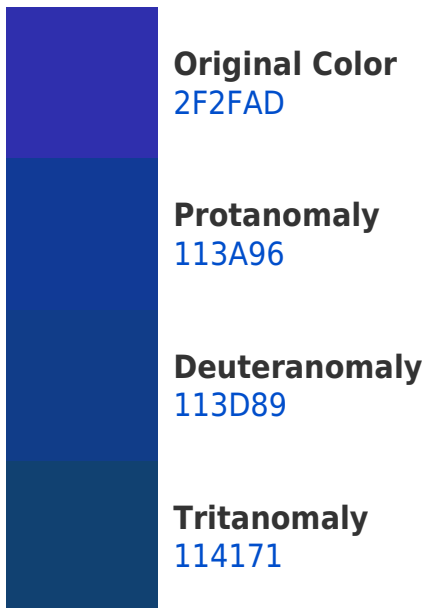
**Protanopia**  
004189

**Deuteranopia**  
004575

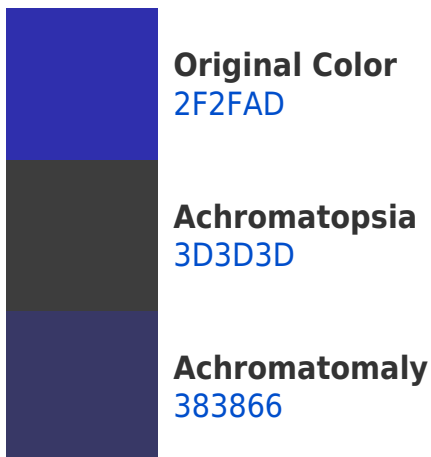


**Tritanopia**  
004B4F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F2FAD 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 #2F2FAD looks like.

```
.text, #text, p{  
    color:#2F2FAD  
}
```

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 #2F2FAD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F2FAD }  
}
```

## Border

The CSS property to change the border of an element to Hex 2F2FAD 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 #2F2FAD }  
}
```

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

```
.border{ border-color:#2F2FAD }
```

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

Here you see how a box with a 4 pixel #2F2FAD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F2FAD; -webkit-box-shadow:4px 4px  
4px 4px #2F2FAD; box-shadow:4px 4px 4px  
4px #2F2FAD }
```

# Background

The CSS property to change the background color of an element to Hex 2F2FAD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F2FAD }
```

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

```
.background{ background-color:#2F2FAD }
```

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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