

# Converting Colors

Hex(2F5FAD)

Have a look what the booklet for  
Hex(2F5FAD) contains.

<b>Hex(2F5FAD)</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(2F5FAD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F5FAD
RGB	47, 95, 173
RGB Percent	18%, 37%, 68%
CMY	0.8157, 0.6275, 0.3216
CMYK	0.73, 0.45, 0.00, 0.32
HSL	217°, 57%, 43%
HSV	217°, 73%, 68%
XYZ	12.8073, 11.8059, 41.1389
YIQ	89.5400, -53.6460, 14.0820

# Conversions

## Conversions Part 2

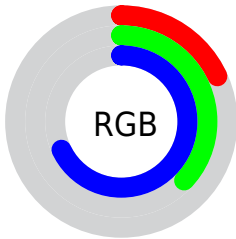
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 82, 173
Decimal	3104685
CIE <sub>Lab</sub>	40.91, 11.05, -46.47
CIE <sub>LCh</sub>	41, 47.769, 283.377
Yxy	11.8059, 0.1948, 0.1796
Android (android.graphics.Color)	4281294765 (0xFF2F5FAD)
YUV	89.5400, 41.1458, -37.3076
Hunter-Lab	34.3597, 6.4051, -46.9362

# Details

The Hex color **2F5FAD** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **AD7D2F**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **6D91E5**, and **003278** is the 20% darker color. If you saturate the color by 10%, you get **1E54AD**, and if you desaturate by 10%, it is **406AAD**.

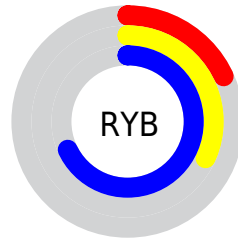
# Distribution



Red (18%)

Green (37%)

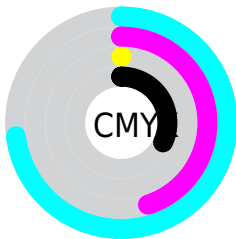
Blue (68%)



Red (18%)

Yellow (32%)

Blue (68%)

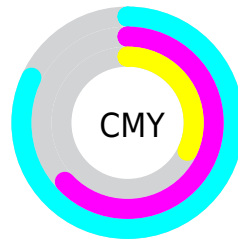


Cyan (73%)

Magenta (45%)

Yellow (0%)

Black (32%)



Cyan (82%)

Magenta (63%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F5FAD 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 2F5FAD by changing the saturation by 10% instead.



■ 2F5FAD

■ 2F5FAD

FFFFFF

■ 004892

■ 6D91E5

■ 003278

■ 8AABFF

■ 001E5F

■ A7C7FF

■ 000347

■ C4E2FF

■ 00042F

■ E1FFFF

■ 000119

■ 000000

■ 2F5FAD

■ 2F5FAD

■ 1E54AD

■ 406AAD

■ 0C4AAD

■ 5274AD

■ 0042AD

■ 637FAD

■ 748AAD

■ 8695AD

■ 979FAD

■ A8AAAD

■ B9B5AD

■ CBBFAD

# Harmonies

## Analogous

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



006BAB



2F5FAD



784E9A

# Triad

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



2F5FAD



9E462C



007149

# Complementary

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



2F5FAD



AD7D2F

# 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.



376D23



2F5FAD



86570D

# Square

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



2F5FAD



A73A51



636404



007371

# Rectangle

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



2F5FAD



934284



636404



00703B



# Sweetspot

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



2F5FAD



AFC2E0



2FAD7D



535E70



F0F0F0



707070



# Same Dimension

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



2F5FAD



1D68E0



3E2FAD



4E5157



003996



000917



# Inverse Universe

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



AD2F5F



E01D68



9EAD2F



574E51



960039



170009



# Previews

## White Background



This preview shows how the Hex color 2F5FAD 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 2F5FAD Background



This preview shows how black text looks on a background with the Hex color 2F5FAD.

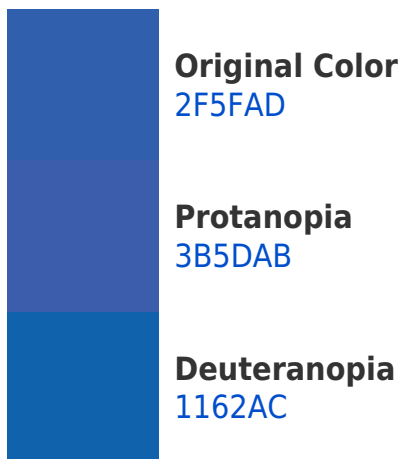


This preview shows how white text looks on a background with the Hex color 2F5FAD.

# 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](#).

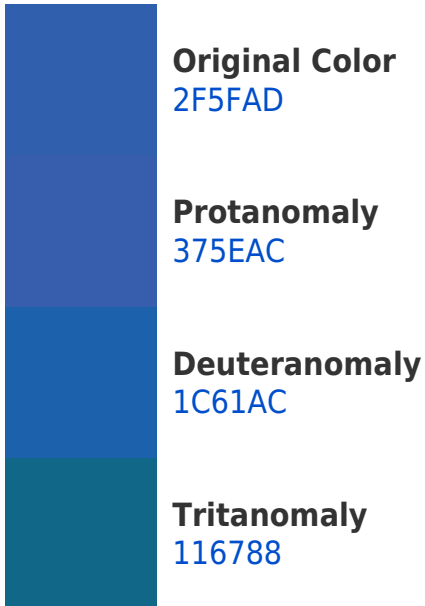
## Dichromacy



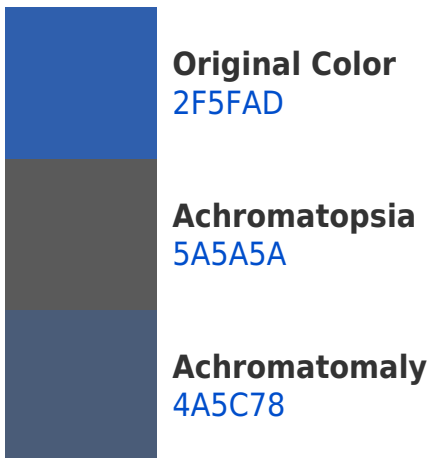


**Tritanopia**  
006B73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F5FAD 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 #2F5FAD looks like.

```
.text, #text, p{  
    color:#2F5FAD  
}
```

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 #2F5FAD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F5FAD
}
```

## Border

The CSS property to change the border of an element to Hex 2F5FAD 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
#2F5FAD }
```

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

```
.border{ border-color:#2F5FAD }
```

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

Here you see how a box with a 4 pixel #2F5FAD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F5FAD; -webkit-box-shadow:4px 4px  
4px 4px #2F5FAD; box-shadow:4px 4px 4px  
4px #2F5FAD }
```

# Background

The CSS property to change the background color of an element to Hex 2F5FAD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F5FAD }
```

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

```
.background{ background-color:#2F5FAD }
```

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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