

# Converting Colors

Hex(2F1777)

Have a look what the booklet for  
Hex(2F1777) contains.

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# Color

**Hex(2F1777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F1777
RGB	47, 23, 119
RGB Percent	18%, 9%, 47%
CMY	0.8157, 0.9098, 0.5333
CMYK	0.61, 0.81, 0.00, 0.53
HSL	255°, 68%, 28%
HSV	255°, 81%, 47%
XYZ	4.8085, 2.5490, 17.6913
YIQ	41.1200, -16.5120, 34.9440

# Conversions

## Conversions Part 2

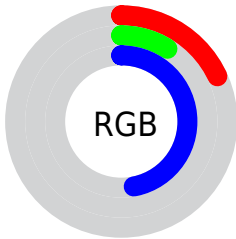
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 23, 119
Decimal	3086199
CIELab	18.14, 37.77, -50.27
CIElCh	18, 62.884, 306.919
Yxy	2.5490, 0.1920, 0.1018
Android (android.graphics.Color)	4281276279 (0xFF2F1777)
YUV	41.1200, 38.3948, 5.1568
Hunter-Lab	15.9657, 25.8196, -54.5223

# Details

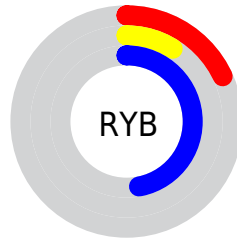
The Hex color **2F1777** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **5F7717**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **6646AC**, and **000045** is the 20% darker color. If you saturate the color by 10%, you get **260B77**, and if you desaturate by 10%, it is **382377**.

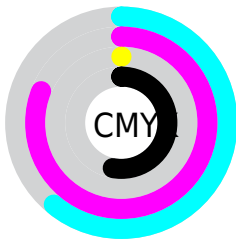
# Distribution



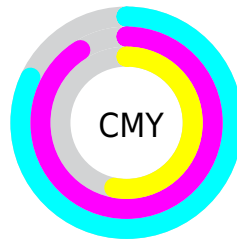
- Red (18%)
- Green (9%)
- Blue (47%)



- Red (18%)
- Yellow (9%)
- Blue (47%)



- Cyan (61%)
- Magenta (81%)
- Yellow (0%)
- Black (53%)



- Cyan (82%)
- Magenta (91%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F1777 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 2F1777 by changing the saturation by 10% instead.



■ 2F1777

■ 2F1777

FFFFFF

■ 0C015E

■ 6646AC

■ 000045

■ 825EC8

■ 00042E

■ 9E77E4

■ 000118

■ BA91FF

■ 000000

■ D7ACFF

■ F4C8FF

■ FFE4FF

■ 2F1777

■ 2F1777

■ 260B77

■ 382377

■ 1E0077

■ 412F77

■ 4A3B77

■ 534777

■ 5C5277

■ 655E77

■ 6D6A77

■ 767677

■ 7F8277

# Harmonies

## Analogous

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



00318A



2F1777



660051

# Triad

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



2F1777



531A00



003C36

# Complementary

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



2F1777



5F7717

# 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.



003B00



2F1777



2E2E00

# Square

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



2F1777



6C0000



003700



003D63

# Rectangle

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



2F1777



730033



003700



003C26



# Sweetspot

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



2F1777



80769C



175F77



3E384F



CFCFCF



4F4F4F



# Same Dimension

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



2F1777



2A059C



5F1777



36353B



1F007A



3E00FA



# Inverse Universe

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



77175F



9C0576



2F7717



3B3539



7A005C

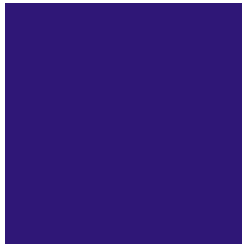


FA00BB



# Previews

## White Background



This preview shows how the Hex color 2F1777 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

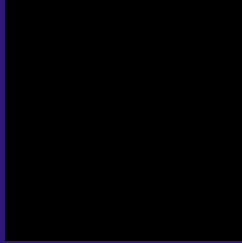
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F1777 Background



This preview shows how black text looks on a background with the Hex color 2F1777.



This preview shows how white text looks on a background with the Hex color 2F1777.

# 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](#).

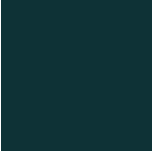
## Dichromacy



**Original Color**  
2F1777

**Protanopia**  
002C5C

**Deuteranopia**  
002F4F



**Tritanopia**  
0E3236

# Trichromacy



**Original Color**  
2F1777

**Protanomaly**  
112466

**Deuteranomaly**  
11265E

**Tritanomaly**  
1A284E

# Monochromacy



**Original Color**  
2F1777

**Achromatopsia**  
292929

**Achromatomaly**  
2B2245

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F1777 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 #2F1777 looks like.

```
.text, #text, p{  
    color:#2F1777  
}
```

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 #2F1777 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F1777  
}
```

## Border

The CSS property to change the border of an element to Hex 2F1777 is called "border". The border property can be set on classes, ids or directly on the HTML element.

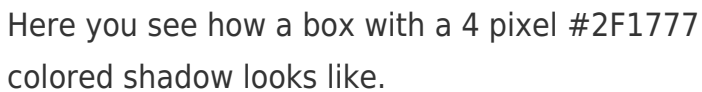
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#2F1777 }
```

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

```
.border{ border-color:#2F1777 }
```

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



Here you see how a box with a 4 pixel #2F1777 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F1777; -webkit-box-shadow:4px 4px  
4px 4px #2F1777; box-shadow:4px 4px 4px  
4px #2F1777 }
```

# Background

The CSS property to change the background color of an element to Hex 2F1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F1777 }
```

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

```
.background{ background-color:#2F1777 }
```

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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