

# Converting Colors

Hex(2F4471)

Have a look what the booklet for  
Hex(2F4471) contains.

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# Color

**Hex(2F4471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F4471
RGB	47, 68, 113
RGB Percent	18%, 27%, 44%
CMY	0.8157, 0.7333, 0.5569
CMYK	0.58, 0.40, 0.00, 0.56
HSL	221°, 41%, 31%
HSV	221°, 58%, 44%
XYZ	6.2200, 5.9308, 16.4397
YIQ	66.8510, -26.9610, 9.5430

# Conversions

## Conversions Part 2

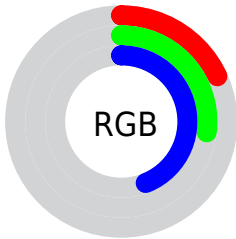
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 63, 113
Decimal	3097713
CIE Lab	29.24, 6.50, -28.50
CIE LCh	29, 29.235, 282.851
Yxy	5.9308, 0.2176, 0.2074
Android (android.graphics.Color)	4281287793 (0xFF2F4471)
YUV	66.8510, 22.7515, -17.4093
Hunter-Lab	24.3533, 2.9722, -22.9764

# Details

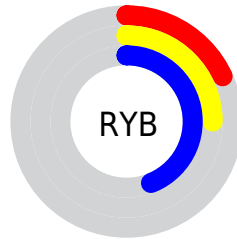
The Hex color **2F4471** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **715C2F**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **6274A5**, and **001A41** is the 20% darker color. If you saturate the color by 10%, you get **243C71**, and if you desaturate by 10%, it is **3A4C71**.

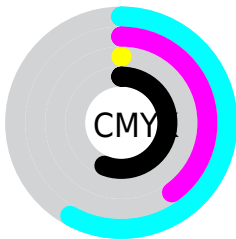
# Distribution



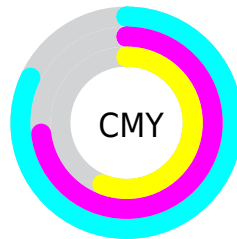
- Red (18%)
- Green (27%)
- Blue (44%)



- Red (18%)
- Yellow (25%)
- Blue (44%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)
- Black (56%)



- Cyan (82%)
- Magenta (73%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F4471 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 2F4471 by changing the saturation by 10% instead.



■ 2F4471

■ 2F4471

FFFFFF

■ 132E58

■ 6274A5

■ 001A41

■ 7D8DC0

■ 00012B

■ 97A8DC

■ 000115

■ B3C3F9

■ 000000

■ CFDFFF

■ ECFBFF

■ 2F4471

■ 2F4471

■ 243C71

■ 3A4C71

■ 183571

■ 465371

■ 0D2D71

■ 515B71

■ 022571

■ 5C6371

■ 002471

■ 686B71

■ 737271

■ 7E7A71

■ 898271

■ 958971

# Harmonies

## Analogous

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



004B70



2F4471



533B66

# Triad

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



2F4471



6A3727



034F37

# Complementary

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



2F4471



715C2F

# 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.



2F4C22



2F4471



5D3F19

# Square

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



2F4471



6F313C



484716



00504E

# Rectangle

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



2F4471



62355A



484716



184F2F



# Sweetspot

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



2F4471



798294



2F715B



3A3F4A



C9C9C9



4A4A4A



# Same Dimension

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



2F4471



2C4D94



3A2F71



323438



002678



004FF7



# Inverse Universe

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



712F44



942C4D



66712F



383234



780026



F7004F



# Previews

## White Background



This preview shows how the Hex color 2F4471 looks on a white background.

## Color Contrast Check

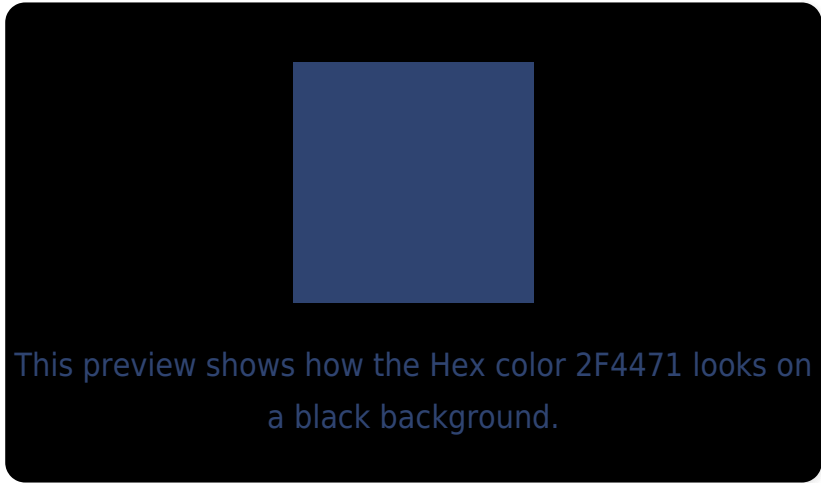
Large Text (above 18pt) WCAG AA ✓ Pass

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 2F4471 Background



This preview shows how black text looks on a background with the Hex color 2F4471.



This preview shows how white text looks on a background with the Hex color 2F4471.

# 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**  
2F4471

**Protanopia**  
334370

**Deuteranopia**  
294571



**Tritanopia**  
214B51

# Trichromacy



**Original Color**  
2F4471

**Protanomaly**  
324370

**Deuteranomaly**  
2B4571

**Tritanomaly**  
26485D

# Monochromacy



**Original Color**  
2F4471

**Achromatopsia**  
434343

**Achromatomaly**  
3C4354

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F4471 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 #2F4471 looks like.

```
.text, #text, p{  
    color:#2F4471  
}
```

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 #2F4471 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F4471  
}
```

## Border

The CSS property to change the border of an element to Hex 2F4471 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  
#2F4471 }
```

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

```
.border{ border-color:#2F4471 }
```

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

Here you see how a box with a 4 pixel #2F4471 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F4471; -webkit-box-shadow:4px 4px  
4px 4px #2F4471; box-shadow:4px 4px 4px  
4px #2F4471 }
```

# Background

The CSS property to change the background color of an element to Hex 2F4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F4471 }
```

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

```
.background{ background-color:#2F4471 }
```

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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