

Converting Colors

Hex(2F2997)

Have a look what the booklet for
Hex(2F2997) contains.

Hex(2F2997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2F2997)

Conversions

Conversions Part 1

Format	Color
Hex	2F2997
RGB	47, 41, 151
RGB Percent	18%, 16%, 59%
CMY	0.8157, 0.8392, 0.4078
CMYK	0.69, 0.73, 0.00, 0.41
HSL	243°, 57%, 38%
HSV	243°, 73%, 59%
XYZ	7.5511, 4.4246, 29.7342
YIQ	55.3340, -31.7340, 35.4820

Conversions

Conversions Part 2

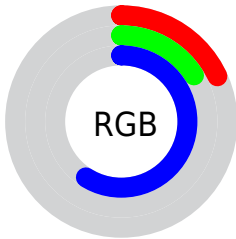
Format	Color
R_{YB}	47, 41, 151
Decimal	3090839
CIE _{Lab}	25.03, 38.10, -59.02
CIE _{LCh}	25, 70.248, 302.845
Yxy	4.4246, 0.1810, 0.1061
Android (android.graphics.Color)	4281280919 (0xFF2F2997)
YUV	55.3340, 47.1633, -7.3089
Hunter-Lab	21.0347, 27.2682, -69.0868

Details

The Hex color **2F2997** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **919729**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **6C58CE**, and **000063** is the 20% darker color. If you saturate the color by 10%, you get **211A97**, and if you desaturate by 10%, it is **3D3897**.

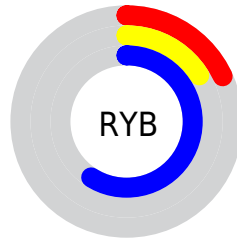
Distribution



Red (18%)

Green (16%)

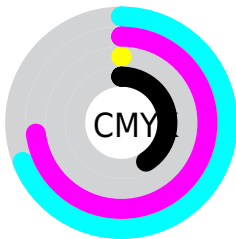
Blue (59%)



Red (18%)

Yellow (16%)

Blue (59%)

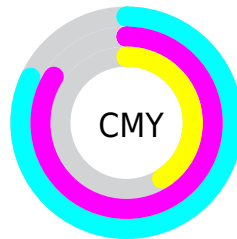


Cyan (69%)

Magenta (73%)

Yellow (0%)

Black (41%)



Cyan (82%)

Magenta (84%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2F2997 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 2F2997 by changing the saturation by 10% instead.

■ 2F2997

■ 2F2997

FFFFFF

■ 00137C

■ 6C58CE

■ 000063

■ 8871EB

■ 00004A

■ A58AFF

■ 000432

■ C2A5FF

■ 00021C

■ DFC0FF

■ 000000

■ FDDCFF

■ FFF9FF

■ 2F2997

■ 2F2997

■ 211A97

■ 3D3897

■ 120B97

■ 4C4797

■ 080097

■ 5A5697

■ 686597

■ 767597

■ 858497

■ 939397

■ A1A297

■ AFB197

Harmonies

Analogous

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



0043A9



2F2997



7A006D

Triad

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



2F2997



6E2200



004E3F

Complementary

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



2F2997



919729

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.



004C00



2F2997



453C00

Square

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



2F2997



8A0001



004700



004F75

Rectangle

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



2F2997



8D004B



004700



004E2D

Sweetspot

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



2F2997



9C99C4



299297



4B4A63



E3E3E3



636363

Same Dimension

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



2F2997



231AC4



652997



45454D



08008C



01000D

Inverse Universe

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



972991



C41ABB



5A9729



4D454C



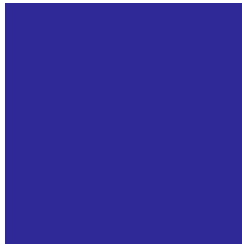
8C0085



0D000C

Previews

White Background



This preview shows how the Hex color 2F2997 looks on a white background.

Color Contrast Check

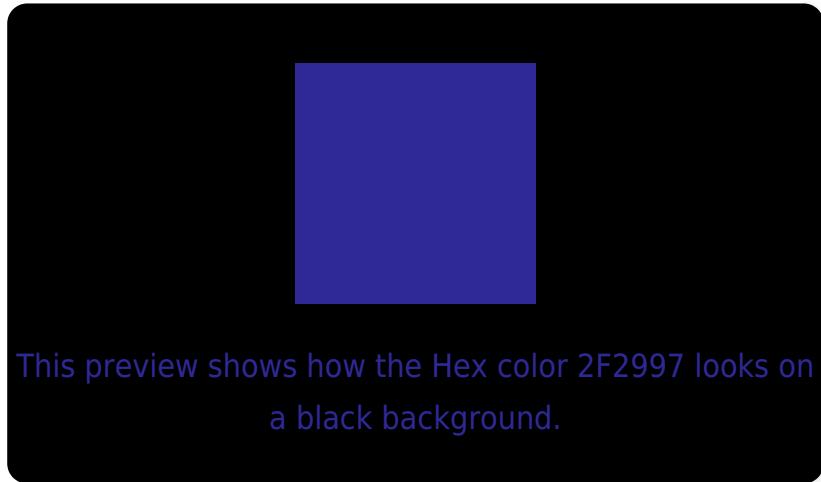
Large Text (above 18pt) WCAG AA ✓ Pass

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

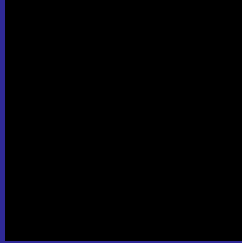
Any Text WCAG AA × Fail

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 2F2997 Background



This preview shows how black text looks on a background with the Hex color 2F2997.



This preview shows how white text looks on a background with the Hex color 2F2997.

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
2F2997

Protanopia
003A79

Deuteranopia
003D67

Trichromacy



Original Color
2F2997

Protanomaly
113484

Deuteranomaly
113678

Tritanomaly
113964

Monochromacy



Original Color
2F2997

Achromatopsia
373737

Achromatomaly
34325A

CSS Examples

Text

The CSS property to change the color of the text to Hex 2F2997 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 #2F2997 looks like.

```
.text, #text, p{  
    color:#2F2997  
}
```

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 #2F2997 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F2997
}
```

Border

The CSS property to change the border of an element to Hex 2F2997 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".

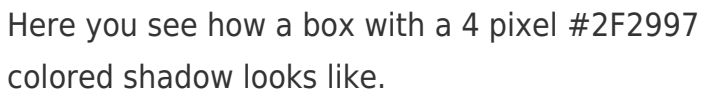
```
.border, #border, table{ border:4px solid
#2F2997 }
```

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

```
.border{ border-color:#2F2997 }
```

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

Here you see how a box with a 4 pixel #2F2997 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F2997; -webkit-box-shadow:4px 4px  
4px 4px #2F2997; box-shadow:4px 4px 4px  
4px #2F2997 }
```

Background

The CSS property to change the background color of an element to Hex 2F2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F2997 }
```

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

```
.background{ background-color:#2F2997 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor