

Converting Colors

Hex(2F166E)

Have a look what the booklet for
Hex(2F166E) contains.

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Color

Hex(2F166E)

Conversions

Conversions Part 1

Format	Color
Hex	2F166E
RGB	47, 22, 110
RGB Percent	18%, 9%, 43%
CMY	0.8157, 0.9137, 0.5686
CMYK	0.57, 0.80, 0.00, 0.57
HSL	257°, 67%, 26%
HSV	257°, 80%, 43%
XYZ	4.2737, 2.3039, 14.9713
YIQ	39.5070, -13.3480, 32.6680

Conversions

Conversions Part 2

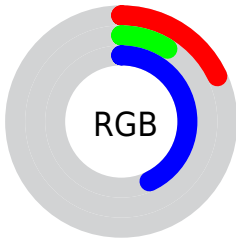
Format	Color
R_{YB}	47, 22, 110
Decimal	3085934
CIE _{Lab}	17.01, 35.52, -46.32
CIE _{LCh}	17, 58.371, 307.485
Yxy	2.3039, 0.1983, 0.1069
Android (android.graphics.Color)	4281276014 (0xFF2F166E)
YUV	39.5070, 34.7530, 6.5714
Hunter-Lab	15.1788, 23.6950, -47.8546

Details

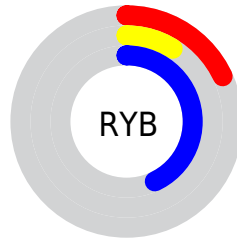
The Hex color **2F166E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **556E16**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **6544A3**, and **00003D** is the 20% darker color. If you saturate the color by 10%, you get **270B6E**, and if you desaturate by 10%, it is **37216E**.

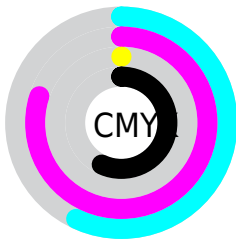
Distribution



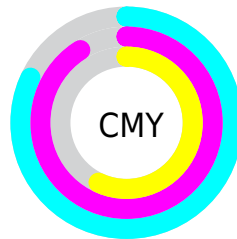
- Red (18%)
- Green (9%)
- Blue (43%)



- Red (18%)
- Yellow (9%)
- Blue (43%)



- Cyan (57%)
- Magenta (80%)
- Yellow (0%)
- Black (57%)



- Cyan (82%)
- Magenta (91%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2F166E 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 2F166E by changing the saturation by 10% instead.

■ 2F166E

■ 2F166E

FFFFFF

■ 100055

■ 6544A3

■ 00003D

■ 805CBE

■ 000326

■ 9B76DA

■ 00010F

■ B790F7

■ 000000

■ D4AAFF

■ F1C6FF

■ FFE2FF

■ 2F166E

■ 2F166E

■ 270B6E

■ 37216E

■ 1F006E

■ 3F2C6E

■ 47376E

■ 4F426E

■ 564D6E

■ 5E586E

■ 66636E

■ 6E6E6E

■ 76796E

Harmonies

Analogous

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



002E80



2F166E



60004B

Triad

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



2F166E



4D1A00



003934

Complementary

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



2F166E



556E16

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.



003702



2F166E



2C2C00

Square

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



2F166E



650000



003400



00395D

Rectangle

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



2F166E



6C002F



003400



003925

Sweetspot

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



2F166E



766D8F



16556E



393347



C7C7C7



474747

Same Dimension

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



2F166E



2D068F



5B166E



343238



220078



4600F7

Inverse Universe

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



6E1655



8F0668



296E16



383237



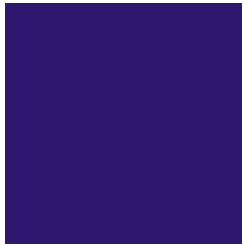
780056



F700B1

Previews

White Background



This preview shows how the Hex color 2F166E looks on a white background.

Color Contrast Check

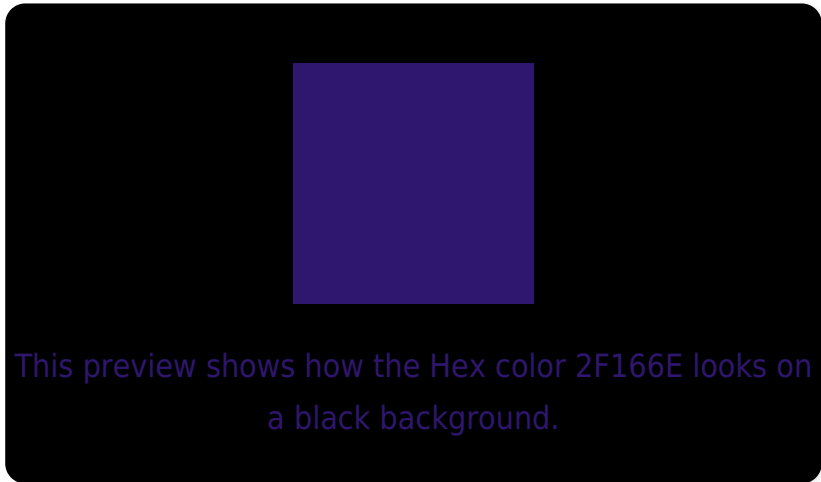
Large Text (above 18pt) WCAG AA ✓ Pass

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

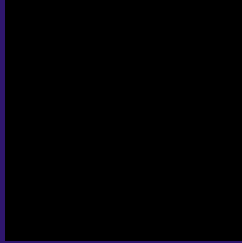
Any Text WCAG AA × Fail

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 2F166E Background



This preview shows how black text looks on a background with the Hex color 2F166E.



This preview shows how white text looks on a background with the Hex color 2F166E.

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
2F166E

Protanopia
002A57

Deuteranopia
002C4B



Tritanopia
172E32

Trichromacy



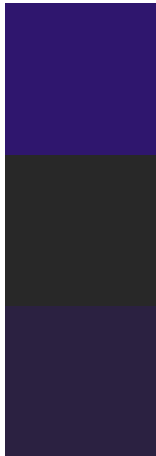
Original Color
2F166E

Protanomaly
11235F

Deuteranomaly
112458

Tritanomaly
202548

Monochromacy



Original Color
2F166E

Achromatopsia
282828

Achromatomaly
2B2141

CSS Examples

Text

The CSS property to change the color of the text to Hex 2F166E 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 #2F166E looks like.

```
.text, #text, p{  
    color:#2F166E  
}
```

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 #2F166E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F166E
}
```

Border

The CSS property to change the border of an element to Hex 2F166E 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
#2F166E }
```

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

```
.border{ border-color:#2F166E }
```

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

Here you see how a box with a 4 pixel #2F166E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F166E; -webkit-box-shadow:4px 4px  
4px 4px #2F166E; box-shadow:4px 4px 4px  
4px #2F166E }
```

Background

The CSS property to change the background color of an element to Hex 2F166E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F166E }
```

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

```
.background{ background-color:#2F166E }
```

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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