

# Converting Colors

Hex(2F3676)

Have a look what the booklet for  
Hex(2F3676) contains.

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# Color

**Hex(2F3676)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F3676
RGB	47, 54, 118
RGB Percent	18%, 21%, 46%
CMY	0.8157, 0.7882, 0.5373
CMYK	0.60, 0.54, 0.00, 0.54
HSL	234°, 43%, 32%
HSV	234°, 60%, 46%
XYZ	5.7615, 4.5507, 17.7142
YIQ	59.2030, -24.7160, 18.4200

# Conversions

## Conversions Part 2

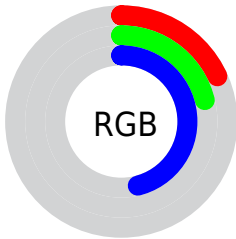
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 53, 118
Decimal	3094134
CIE <sub>Lab</sub>	25.41, 17.90, -37.78
CIE <sub>LCh</sub>	25, 41.805, 295.355
Yxy	4.5507, 0.2056, 0.1624
Android (android.graphics.Color)	4281284214 (0xFF2F3676)
YUV	59.2030, 28.9869, -10.7020
Hunter-Lab	21.3323, 10.8781, -34.3015

# Details

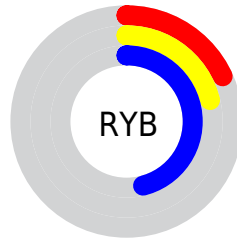
The Hex color **2F3676** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **766F2F**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **6465AB**, and **000C45** is the 20% darker color. If you saturate the color by 10%, you get **232B76**, and if you desaturate by 10%, it is **3B4176**.

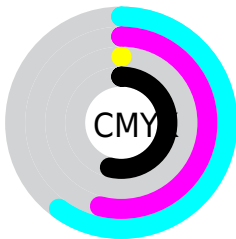
# Distribution



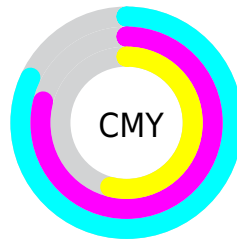
- Red (18%)
- Green (21%)
- Blue (46%)



- Red (18%)
- Yellow (21%)
- Blue (46%)



- Cyan (60%)
- Magenta (54%)
- Yellow (0%)
- Black (54%)



- Cyan (82%)
- Magenta (79%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F3676 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 2F3676 by changing the saturation by 10% instead.



■ 2F3676

■ 2F3676

FFFFFF

■ 11215D

■ 6465AB

■ 000C45

■ 7E7DC6

■ 00042E

■ 9A97E2

■ 000118

■ B5B2FF

■ 000000

■ D2CDFF

■ EFEAFF

■ 2F3676

■ 2F3676

■ 232B76

■ 3B4176

■ 172176

■ 474B76

■ 0C1676

■ 525676

■ 000C76

■ 5E6176

■ 6A6B76

■ 767676

■ 828076

■ 8D8B76

■ 999676

# Harmonies

## Analogous

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



00427C



2F3676



5D2661

# Triad

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



2F3676



652B04



004A36

# Complementary

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



2F3676



766F2F

# 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.



004815



2F3676



4F3900

# Square

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



2F3676



721C23



304200



004A57

# Rectangle

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



2F3676



6C1B4D



304200



00492B



# Sweetspot

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



2F3676



7D8099



2F766F



3C3D4D



CCCCCC



4D4D4D



# Same Dimension

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



2F3676



2B3699



4B2F76



35353B



000C7A



0019FA



# Inverse Universe

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



762F36



992B36



5A762F



3B3535



7A000C



FA0019



# Previews

## White Background



This preview shows how the Hex color 2F3676 looks on a white background.

## Color Contrast Check

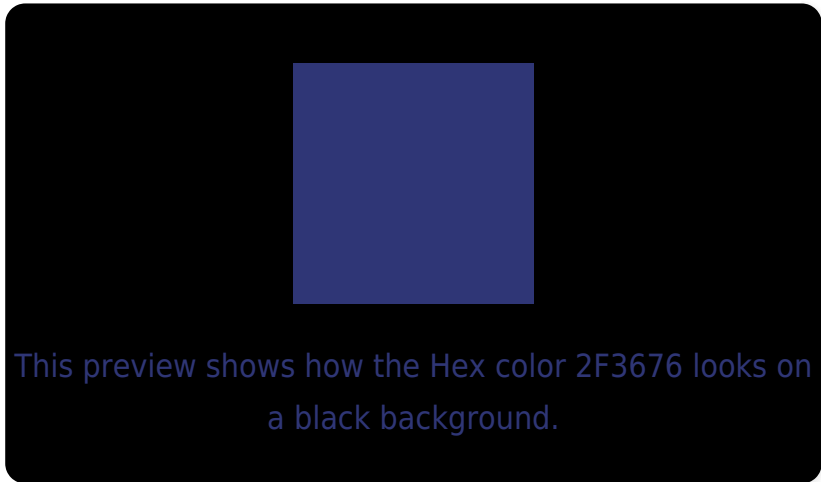
Large Text (above 18pt) WCAG AA ✓ Pass

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

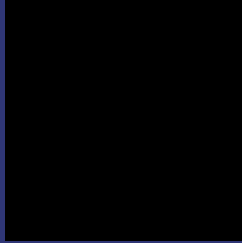
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F3676 Background



This preview shows how black text looks on a background with the Hex color 2F3676.

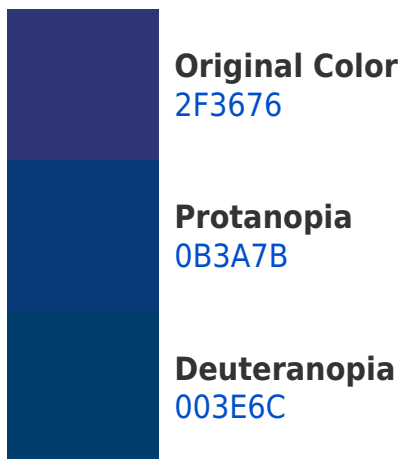


This preview shows how white text looks on a background with the Hex color 2F3676.

# 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**  
194247

# Trichromacy



**Original Color**  
2F3676

**Protanomaly**  
183979

**Deuteranomaly**  
113B70

**Tritanomaly**  
213E58

# Monochromacy



**Original Color**  
2F3676

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
373950

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F3676 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 #2F3676 looks like.

```
.text, #text, p{  
    color:#2F3676  
}
```

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 #2F3676 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F3676
}
```

## Border

The CSS property to change the border of an element to Hex 2F3676 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
#2F3676 }
```

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

```
.border{ border-color:#2F3676 }
```

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

Here you see how a box with a 4 pixel #2F3676 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F3676; -webkit-box-shadow:4px 4px  
4px 4px #2F3676; box-shadow:4px 4px 4px  
4px #2F3676 }
```

# Background

The CSS property to change the background color of an element to Hex 2F3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F3676 }
```

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

```
.background{ background-color:#2F3676 }
```

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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