

# Converting Colors

Hex(2F4030)

Have a look what the booklet for  
Hex(2F4030) contains.

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# Color

**Hex(2F4030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F4030
RGB	47, 64, 48
RGB Percent	18%, 25%, 19%
CMY	0.8157, 0.7490, 0.8118
CMYK	0.27, 0.00, 0.25, 0.75
HSL	124°, 15%, 22%
HSV	124°, 27%, 25%
XYZ	3.5392, 4.4845, 3.4754
YIQ	57.0930, -4.9960, -8.5800

# Conversions

## Conversions Part 2

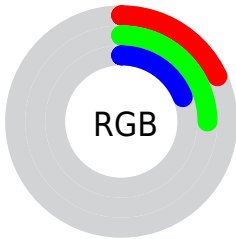
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 63, 64
Decimal	3096624
CIELab	25.21, -10.68, 7.61
CIElCh	25, 13.113, 144.503
Yxy	4.4845, 0.3078, 0.3900
Android (android.graphics.Color)	4281286704 (0xFF2F4030)
YUV	57.0930, -4.4828, -8.8516
Hunter-Lab	21.1767, -7.2272, 5.0934

# Details

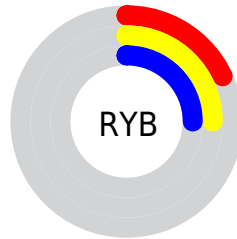
The Hex color **2F4030** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **402F3F**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **5D705E**, and **001600** is the 20% darker color. If you saturate the color by 10%, you get **29402A**, and if you desaturate by 10%, it is **354036**.

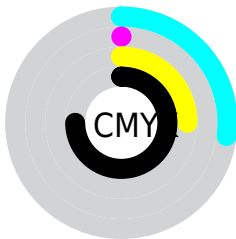
# Distribution



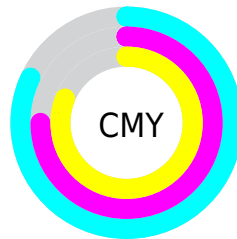
- Red (18%)
- Green (25%)
- Blue (19%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (25%)
- Black (75%)



- Cyan (82%)
- Magenta (75%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F4030 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 2F4030 by changing the saturation by 10% instead.



■ 2F4030

■ 2F4030

FFFFFF

■ 1A2A1B

■ 5D705E

■ 001600

■ 768977

■ 000000

■ 90A490

■ AABFAB

■ C6DAC6

■ E2F7E2

FEFFFF

■ 2F4030

■ 2F4030

■ 29402A

■ 354036

■ 224024

■ 3C403C

■ 1C401E

■ 424042

■ 154018

■ 494048

■ 0F4012

■ 4F404E

■ 09400C

■ 554054

■ 024006

■ 5C405A

■ 004004

■ 624060

■ 694066

# Harmonies

## Analogous

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



3A3E2A



2F4030



24413A

# Triad

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



2F4030



2D3D4F



503534

# Complementary

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



2F4030



402F3F

# 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.



4E353E



2F4030



3B3A4E

# Square

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



2F4030



21404C



473747



4C372C

# Rectangle

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



2F4030



1F4140



473747



503537



# Sweetspot

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



2F4030



4D544E



3F402F



272B27



ABABAB



2B2B2B



# Same Dimension

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



2F4030



39543B



2F4038



1E211E



006106



00E00D



# Inverse Universe

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



402F3F



543953



402F37



211E21



61005B

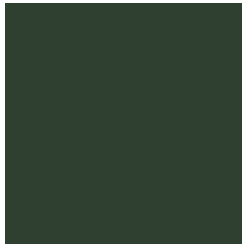


E000D3



# Previews

## White Background



This preview shows how the Hex color 2F4030 looks on a white background.

## Color Contrast Check

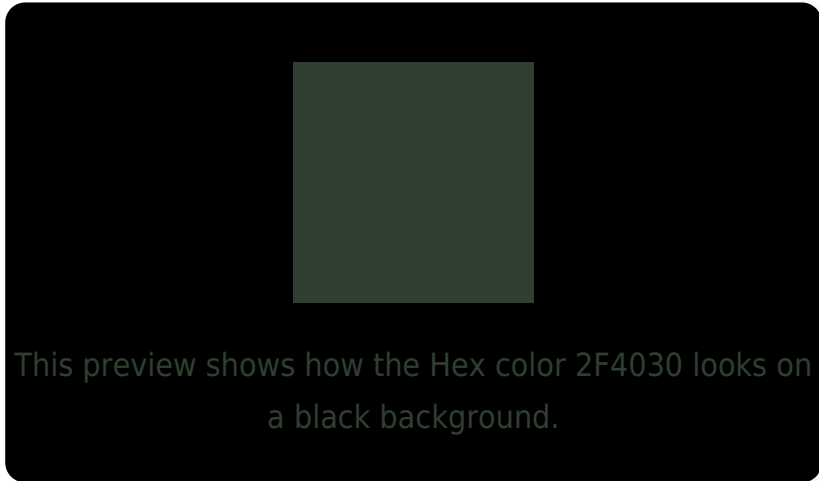
Large Text (above 18pt) WCAG AA ✓ Pass

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

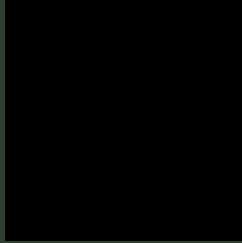
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F4030 Background



This preview shows how black text looks on a background with the Hex color 2F4030.



This preview shows how white text looks on a background with the Hex color 2F4030.

# 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**  
2F4030

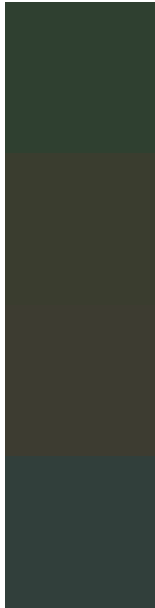
**Protanopia**  
403C2E

**Deuteranopia**  
453931



**Tritanopia**  
323E42

# Trichromacy



**Original Color**  
2F4030

**Protanomaly**  
3A3D2F

**Deuteranomaly**  
3D3C31

**Tritanomaly**  
313F3B

# Monochromacy



**Original Color**  
2F4030

**Achromatopsia**  
393939

**Achromatomaly**  
353C36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F4030 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 #2F4030 looks like.

```
.text, #text, p{  
    color:#2F4030  
}
```

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 #2F4030 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F4030
}
```

## Border

The CSS property to change the border of an element to Hex 2F4030 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
#2F4030 }
```

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

```
.border{ border-color:#2F4030 }
```

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

Here you see how a box with a 4 pixel #2F4030 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F4030; -webkit-box-shadow:4px 4px  
4px 4px #2F4030; box-shadow:4px 4px 4px  
4px #2F4030 }
```

# Background

The CSS property to change the background color of an element to Hex 2F4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F4030 }
```

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

```
.background{ background-color:#2F4030 }
```

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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