

# Converting Colors

Hex(042F2B)

Have a look what the booklet for  
Hex(042F2B) contains.

<b>Hex(042F2B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(042F2B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	042F2B
RGB	4, 47, 43
RGB Percent	2%, 18%, 17%
CMY	0.9843, 0.8157, 0.8314
CMYK	0.91, 0.00, 0.09, 0.82
HSL	174°, 84%, 10%
HSV	174°, 91%, 18%
XYZ	1.5026, 2.2333, 2.6374
YIQ	33.6870, -24.3440, -10.3600

# Conversions

## Conversions Part 2

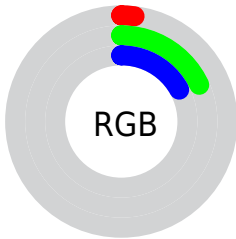
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	4, 27, 47
Decimal	274219
CIE Lab	16.67, -15.31, -1.55
CIE LCh	17, 15.393, 185.763
Yxy	2.2333, 0.2358, 0.3504
Android (android.graphics.Color)	4278464299 (0xFF042F2B)
YUV	33.6870, 4.5913, -26.0355
Hunter-Lab	14.9441, -8.2040, -0.0028

# Details

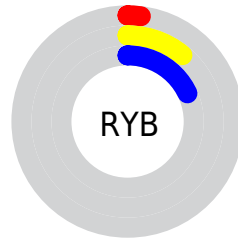
The Hex color **042F2B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2F0408**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **365D58**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002F2B**, and if you desaturate by 10%, it is **092F2B**.

# Distribution



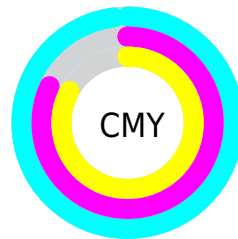
- Red (2%)
- Green (18%)
- Blue (17%)



- Red (2%)
- Yellow (11%)
- Blue (18%)



- Cyan (91%)
- Magenta (0%)
- Yellow (9%)
- Black (82%)



- Cyan (98%)
- Magenta (82%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 042F2B 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 042F2B by changing the saturation by 10% instead.



042F2B

042F2B

FFFFFF

001B17

365D58

000000

4E7671

67908A

81AAA4

9BC6BF

B6E2DB

D2FEF8

042F2B

042F2B

■ 002F2B

■ 092F2B

■ 0D2F2C

■ 122F2C

■ 172F2D

■ 1C2F2D

■ 202F2E

■ 252F2E

■ 2A2F2E

■ 2E2F2F

# Harmonies

## Analogous

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



152E20



042F2B



002F36

# Triad

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



042F2B



2D263B



382515

# Complementary

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



042F2B



2F0408

# 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.



3D221D



042F2B



392232

# Square

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



042F2B



1C2A3F



3E2027



2E2913

# Rectangle

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



042F2B



012D3B



3E2027



3A2417



# Sweetspot

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



042F2B



2D3D3C



082F04



151F1E



9E9E9E



1F1F1F



# Same Dimension

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



042F2B



003D38



041E2F



151717



00574F



00D6C2



# Inverse Universe

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



2F0408



3D0006



2F1504



171515



570008

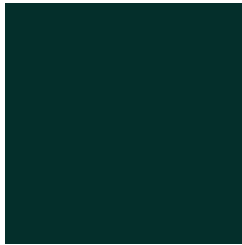


D60014



# Previews

## White Background



This preview shows how the Hex color 042F2B looks on a white background.

## Color Contrast Check

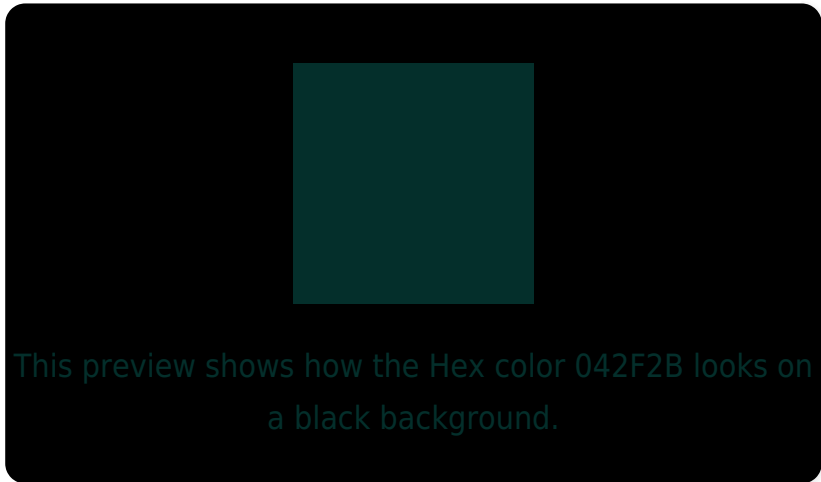
Large Text (above 18pt) WCAG AA ✓ Pass

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

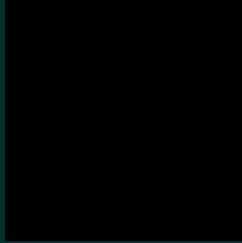
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 042F2B Background



This preview shows how black text looks on a background with the Hex color 042F2B.



This preview shows how white text looks on a background with the Hex color 042F2B.

# 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**  
042F2B

**Protanopia**  
2B2928

**Deuteranopia**  
2C282C



# Trichromacy



**Original Color**  
042F2B

**Protanomaly**  
1D2B29

**Deuteranomaly**  
1D2B2C

**Tritanomaly**  
092E2F

# Monochromacy



**Original Color**  
042F2B

**Achromatopsia**  
222222

**Achromatomaly**  
172725

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 042F2B 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 #042F2B looks like.

```
.text, #text, p{  
    color:#042F2B  
}
```

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 #042F2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #042F2B
}
```

## Border

The CSS property to change the border of an element to Hex 042F2B 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
#042F2B }
```

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

```
.border{ border-color:#042F2B }
```

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

Here you see how a box with a 4 pixel #042F2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #042F2B; -webkit-box-shadow:4px 4px  
4px 4px #042F2B; box-shadow:4px 4px 4px  
4px #042F2B }
```

# Background

The CSS property to change the background color of an element to Hex 042F2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#042F2B }
```

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

```
.background{ background-color:#042F2B }
```

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