

# Converting Colors

Hex(042E1F)

Have a look what the booklet for  
Hex(042E1F) contains.

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# Color

**Hex(042E1F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	042E1F
RGB	4, 46, 31
RGB Percent	2%, 18%, 12%
CMY	0.9843, 0.8196, 0.8784
CMYK	0.91, 0.00, 0.33, 0.82
HSL	159°, 84%, 10%
HSV	159°, 91%, 18%
XYZ	1.2744, 2.0787, 1.6304
YIQ	31.7320, -20.2170, -13.5690

# Conversions

## Conversions Part 2

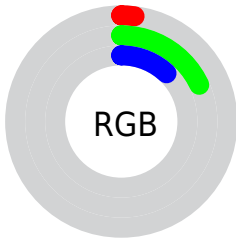
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 30, 46
Decimal	273951
CIE <sub>Lab</sub>	15.90, -18.69, 5.70
CIE <sub>LCh</sub>	16, 19.543, 163.055
Yxy	2.0787, 0.2557, 0.4171
Android (android.graphics.Color)	4278464031 (0xFF042E1F)
YUV	31.7320, -0.3609, -24.3210
Hunter-Lab	14.4178, -9.4536, 3.3878

# Details

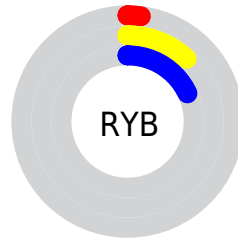
The Hex color **042E1F** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2E0413**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **345C4B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002E1E**, and if you desaturate by 10%, it is **092E21**.

# Distribution



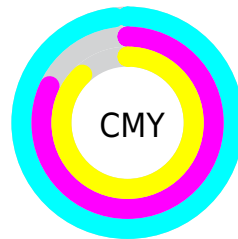
- Red (2%)
- Green (18%)
- Blue (12%)



- Red (2%)
- Yellow (12%)
- Blue (18%)



- Cyan (91%)
- Magenta (0%)
- Yellow (33%)
- Black (82%)



- Cyan (98%)
- Magenta (82%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 042E1F 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 042E1F by changing the saturation by 10% instead.



 042E1F

 042E1F

 ECFFFF

 001B07

 345C4B

 000000

 4C7563

 658F7C

 7FA995

 99C5B0

 B4E1CB

 D0FDE8

 042E1F

 042E1F

■ 002E1E

■ 092E21

■ 0D2E22

■ 122E24

■ 162E26

■ 1B2E27

■ 202E29

■ 242E2A

■ 292E2C

■ 2D2E2E

# Harmonies

## Analogous

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



1A2C12



042E1F



002F2D

# Triad

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



042E1F



1B2743



3F1F15

# Complementary

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



042E1F



2E0413

# 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.



421C22



042E1F



30213C

# Square

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



042E1F



002B42



3D1D30



36240B

# Rectangle

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



042E1F



002E36



3D1D30



401E19



# Sweetspot

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



042E1F



2B3B35



132E04



151F1B



9E9E9E



1F1F1F



# Same Dimension

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



042E1F



003B26



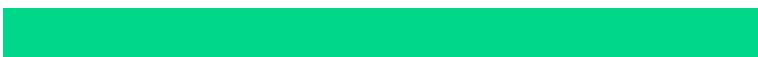
04282E



151716



005738



00D68A



# Inverse Universe

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



2E0413



3B0015



2E0A04



171515



57001F

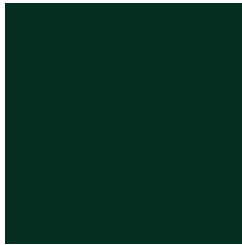


D6004D



# Previews

## White Background



This preview shows how the Hex color 042E1F looks on a white background.

## Color Contrast Check

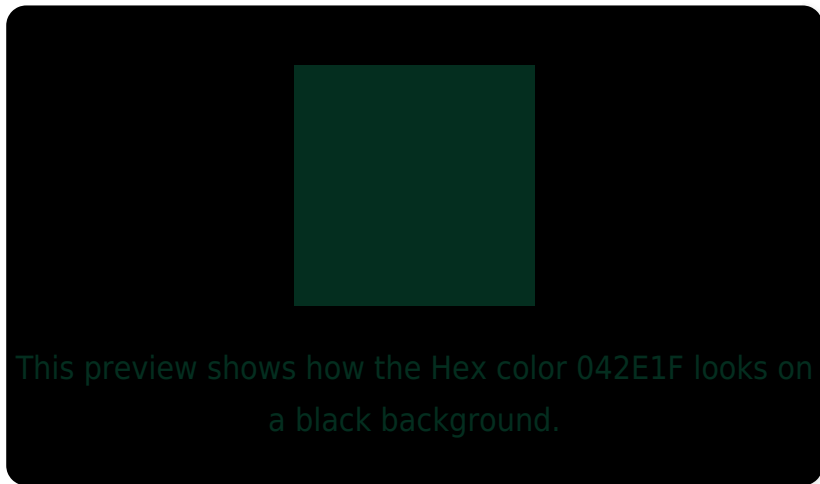
Large Text (above 18pt) WCAG AA ✓ Pass

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

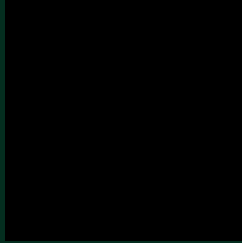
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 042E1F Background



This preview shows how black text looks on a background with the Hex color 042E1F.



This preview shows how white text looks on a background with the Hex color 042E1F.

# 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**  
042E1F

**Protanopia**  
2B281C

**Deuteranopia**  
2E2621



**Tritanopia**  
102C30

# Trichromacy



**Original Color**  
042E1F

**Protanomaly**  
1D2A1D

**Deuteranomaly**  
1F2920

**Tritanomaly**  
0C2D2A

# Monochromacy



**Original Color**  
042E1F

**Achromatopsia**  
202020

**Achromatomaly**  
162520

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 042E1F 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 #042E1F looks like.

```
.text, #text, p{  
    color:#042E1F  
}
```

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 #042E1F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #042E1F  
}
```

## Border

The CSS property to change the border of an element to Hex 042E1F 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".

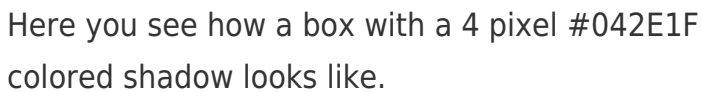
```
.border, #border, table{ border:4px solid  
#042E1F }
```

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

```
.border{ border-color:#042E1F }
```

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

Here you see how a box with a 4 pixel #042E1F colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border and a thicker dark blue shadow on the right and bottom sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #042E1F; -webkit-box-shadow:4px 4px  
4px 4px #042E1F; box-shadow:4px 4px 4px  
4px #042E1F }
```

# Background

The CSS property to change the background color of an element to Hex 042E1F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#042E1F }
```

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

```
.background{ background-color:#042E1F }
```

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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