

# Converting Colors

Hex(072F12)

Have a look what the booklet for  
Hex(072F12) contains.

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# Color

Hex(072F12)

# Conversions

## Conversions Part 1

Format	Color
Hex	072F12
RGB	7, 47, 18
RGB Percent	3%, 18%, 7%
CMY	0.9725, 0.8157, 0.9294
CMYK	0.85, 0.00, 0.62, 0.82
HSL	136°, 74%, 11%
HSV	136°, 85%, 18%
XYZ	1.2133, 2.1219, 0.9179
YIQ	31.7340, -14.5310, -17.4990

# Conversions

## Conversions Part 2

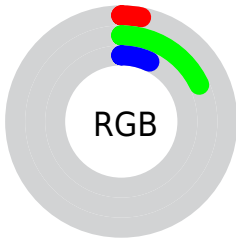
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	7, 38, 47
Decimal	470802
CIE <sub>Lab</sub>	16.11, -21.57, 14.65
CIE <sub>LCh</sub>	16, 26.076, 145.806
Yxy	2.1219, 0.2853, 0.4989
Android (android.graphics.Color)	4278660882 (0xFF072F12)
YUV	31.7340, -6.7709, -21.6917
Hunter-Lab	14.5667, -10.6236, 6.4606

# Details

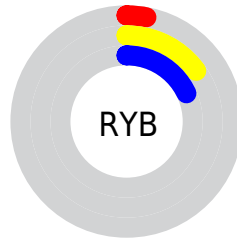
The Hex color **072F12** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2F0724**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **375E3D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **022F0F**, and if you desaturate by 10%, it is **0C2F15**.

# Distribution



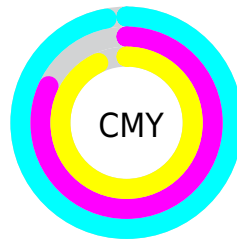
- Red (3%)
- Green (18%)
- Blue (7%)



- Red (3%)
- Yellow (15%)
- Blue (18%)



- Cyan (85%)
- Magenta (0%)
- Yellow (62%)
- Black (82%)



- Cyan (97%)
- Magenta (82%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 072F12 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 072F12 by changing the saturation by 10% instead.



 072F12

 072F12

 EFFFF3

 001C00

 375E3D

 000000

 4F7654

 68906C

 81AB86

 9CC6A0

 B7E2BB

 D3FFD7

 072F12

 072F12

■ 022F0F

■ 0C2F15

■ 002F0D

■ 102F19

■ 152F1C

■ 1A2F20

■ 1F2F23

■ 232F26

■ 282F2A

■ 2D2F2D

■ 312F31

# Harmonies

## Analogous

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



232C00



072F12



003125

# Triad

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



072F12



002B4D



491819

# Complementary

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



072F12



2F0724

# 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.



48162B



072F12



23244A

# Square

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



072F12



002F46



3C1C3D



411F06

# Rectangle

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



072F12



003132



3C1C3D



49161F



# Sweetspot

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



072F12



2D3D32



242F07



151F18



9E9E9E



1F1F1F



# Same Dimension

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



072F12



003D11



072F26



151715



005718



00D63B



# Inverse Universe

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



2F0724



3D002C



2F0710



171516



57003F

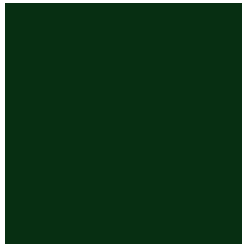


D6009B



# Previews

## White Background



This preview shows how the Hex color 072F12 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

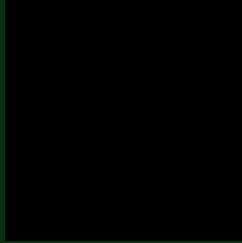
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 072F12 Background



This preview shows how black text looks on a background with the Hex color 072F12.



This preview shows how white text looks on a background with the Hex color 072F12.

# 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**  
072F12

**Protanopia**  
2D2910

**Deuteranopia**  
322715



**Tritanopia**  
142C30

# Trichromacy



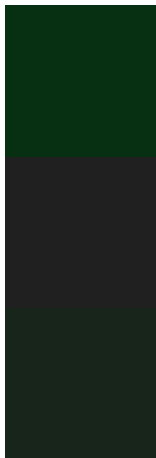
**Original Color**  
072F12

**Protanomaly**  
1F2B11

**Deuteranomaly**  
222A14

**Tritanomaly**  
0F2D25

# Monochromacy



**Original Color**  
072F12

**Achromatopsia**  
202020

**Achromatomaly**  
17251B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 072F12 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 #072F12 looks like.

```
.text, #text, p{  
    color:#072F12  
}
```

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 #072F12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #072F12
}
```

## Border

The CSS property to change the border of an element to Hex 072F12 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".

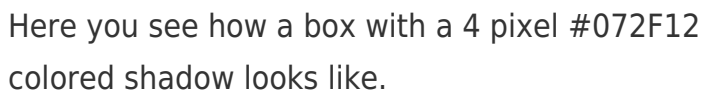
```
.border, #border, table{ border:4px solid
#072F12 }
```

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

```
.border{ border-color:#072F12 }
```

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

Here you see how a box with a 4 pixel #072F12 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #072F12; -webkit-box-shadow:4px 4px  
4px 4px #072F12; box-shadow:4px 4px 4px  
4px #072F12 }
```

# Background

The CSS property to change the background color of an element to Hex 072F12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#072F12 }
```

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

```
.background{ background-color:#072F12 }
```

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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