

# Converting Colors

Hex(00472D)

Have a look what the booklet for  
Hex(00472D) contains.

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# Color

**Hex(00472D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00472D
RGB	0, 71, 45
RGB Percent	0%, 28%, 18%
CMY	1.0000, 0.7216, 0.8235
CMYK	1.00, 0.00, 0.37, 0.72
HSL	158°, 100%, 14%
HSV	158°, 100%, 28%
XYZ	2.7269, 4.6959, 3.2453
YIQ	46.8070, -33.9700, -23.1380

# Conversions

## Conversions Part 2

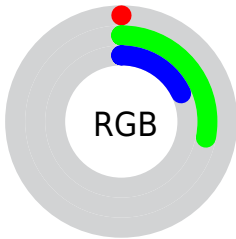
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 43, 71</a>
Decimal	<a href="#">18221</a>
CIELab	<a href="#">25.85, -27.32, 10.15</a>
CIELCh	<a href="#">26, 29.146, 159.629</a>
Yxy	<a href="#">4.6959, 0.2556, 0.4402</a>
Android (android.graphics.Color)	<a href="#">4278208301 (0xFF00472D)</a>
YUV	<a href="#">46.8070, -0.8909, -41.0497</a>
Hunter-Lab	<a href="#">21.6701, -15.4609, 6.2898</a>

# Details

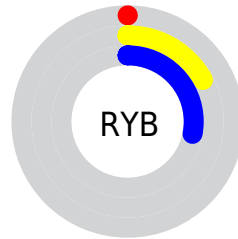
The Hex color **00472D** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **47001A**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **3B785B**, and **001D00** is the 20% darker color. If you saturate the color by 10%, you get **00472D**, and if you desaturate by 10%, it is **074730**.

# Distribution



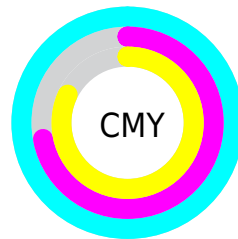
- Red (0%)
- Green (28%)
- Blue (18%)



- Red (0%)
- Yellow (17%)
- Blue (28%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (72%)



- Cyan (100%)
- Magenta (72%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00472D 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 00472D by changing the saturation by 10% instead.



 00472D

 00472D

 F9FFFF

 003018

 3B785B

 001D00

 549273

 000000

 6EAD8D

 89C8A7

 A4E5C3

 C0FFDF

 DCFFFB

 00472D

■ 074730

■ 0E4732

■ 154735

■ 1C4737

■ 24473A

■ 2B473D

■ 32473F

■ 394742

■ 404744

# Harmonies

## Analogous

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



2B4419



00472D



004844

# Triad

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



00472D



203D69



622E22

# Complementary

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



00472D



47001A

# 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.



662937



00472D



48345F

# Square

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



00472D



004466



5E2C4D



563713

# Rectangle

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



00472D



004852



5E2C4D



652C29



# Sweetspot

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



00472D



405C52



1A4700



1D2E28



ADADAD



2E2E2E



# Same Dimension

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



00472D



005C3A



003E47



202422



00633F



00E390



# Inverse Universe

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



47001A



5C0022



470900



242021



630024



E30053



# Previews

## White Background



This preview shows how the Hex color 00472D 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

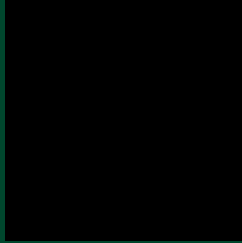
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00472D Background



This preview shows how black text looks on a background with the Hex color 00472D.



This preview shows how white text looks on a background with the Hex color 00472D.

# 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](#).

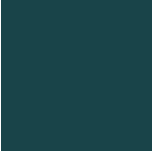
## Dichromacy



**Original Color**  
00472D

**Protanopia**  
433E29

**Deuteranopia**  
483B30



**Tritanopia**  
194449

# Trichromacy



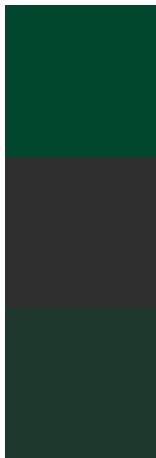
**Original Color**  
00472D

**Protanomaly**  
2B412A

**Deuteranomaly**  
2E3F2F

**Tritanomaly**  
10453F

# Monochromacy



**Original Color**  
00472D

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
1E382E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00472D 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 #00472D looks like.

```
.text, #text, p{  
    color:#00472D  
}
```

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 #00472D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00472D
}
```

## Border

The CSS property to change the border of an element to Hex 00472D 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
#00472D }
```

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

```
.border{ border-color:#00472D }
```

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

Here you see how a box with a 4 pixel #00472D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00472D; -webkit-box-shadow:4px 4px  
4px 4px #00472D; box-shadow:4px 4px 4px  
4px #00472D }
```

# Background

The CSS property to change the background color of an element to Hex 00472D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00472D }
```

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

```
.background{ background-color:#00472D }
```

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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