

# Converting Colors

Hex(002718)

Have a look what the booklet for  
Hex(002718) contains.

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# Color

**Hex(002718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002718
RGB	0, 39, 24
RGB Percent	0%, 15%, 9%
CMY	1.0000, 0.8471, 0.9059
CMYK	1.00, 0.00, 0.38, 0.85
HSL	157°, 100%, 8%
HSV	157°, 100%, 15%
XYZ	0.8904, 1.5170, 1.1100
YIQ	25.6290, -18.4290, -12.9330

# Conversions

## Conversions Part 2

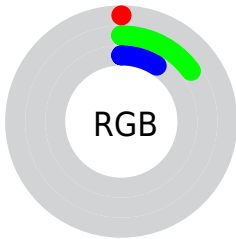
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 24, 39</a>
Decimal	<a href="#">10008</a>
CIELab	<a href="#">12.72, -18.37, 6.14</a>
CIElCh	<a href="#">13, 19.372, 161.511</a>
Yxy	<a href="#">1.5170, 0.2531, 0.4313</a>
Android (android.graphics.Color)	<a href="#">4278200088 (0xFF002718)</a>
YUV	<a href="#">25.6290, -0.8031, -22.4766</a>
Hunter-Lab	<a href="#">12.3166, -8.6500, 3.2781</a>

# Details

The Hex color **002718** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **27000F**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **2E5543**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002718**, and if you desaturate by 10%, it is **04271A**.

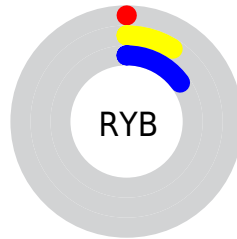
# Distribution



Red (0%)

Green (15%)

Blue (9%)



Red (0%)

Yellow (9%)

Blue (15%)

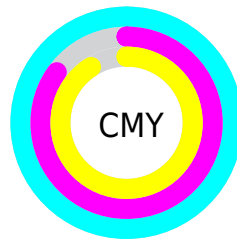


Cyan (100%)

Magenta (0%)

Yellow (38%)

Black (85%)



Cyan (100%)

Magenta (85%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002718 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 002718 by changing the saturation by 10% instead.



 002718

 002718

 E5FFFA

 001100

 2E5543

 000000

 466D5A

 5E8673

 78A18C

 92BCA7

 ADD8C2

 C8F4DE

 002718

■ 04271A

■ 08271B

■ 0C271D

■ 10271E

■ 142720

■ 172721

■ 1B2723

■ 1F2724

■ 232726

# Harmonies

## Analogous

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



15250A



002718



002826

# Triad

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



002718



12213B



37180F

# Complementary

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



002718



27000F

# 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.



3A151C



002718



291B35

# Square

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



002718



00253A



35162A



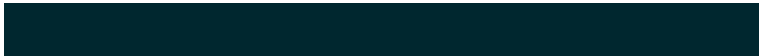
301D02

# Rectangle

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



002718



00272F



35162A



391714



# Sweetspot

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



002718



24332D



102700



101A16



999999



1A1A1A



# Same Dimension

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



002718



00331F



002327



121414



005434



00D482



# Inverse Universe

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



27000F



330014



270400



141213



540020

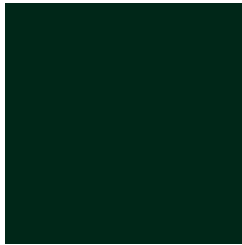


D40051



# Previews

## White Background



This preview shows how the Hex color 002718 looks on a white background.

## Color Contrast Check

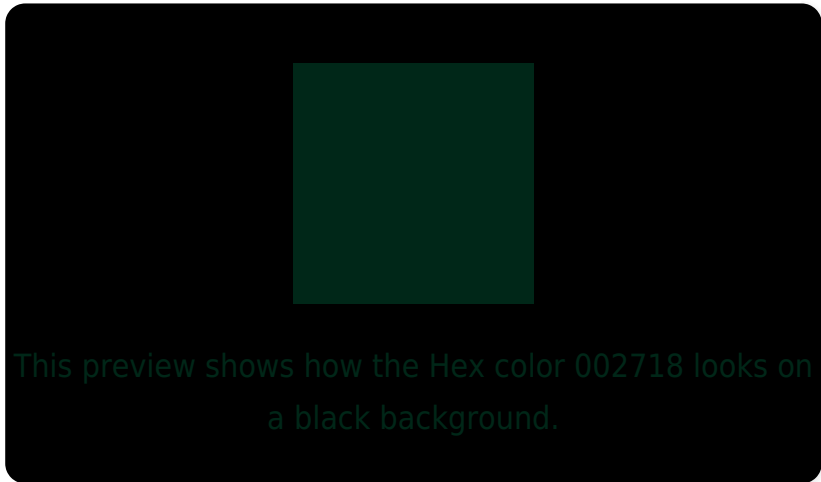
Large Text (above 18pt) WCAG AA ✓ Pass

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

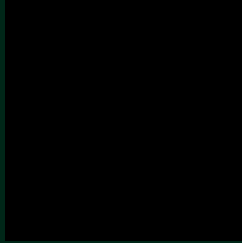
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002718 Background



This preview shows how black text looks on a background with the Hex color 002718.



This preview shows how white text looks on a background with the Hex color 002718.

# 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**  
002718

**Protanopia**  
252216

**Deuteranopia**  
28201A



**Tritanopia**  
0E2528

# Trichromacy



**Original Color**  
002718

**Protanomaly**  
182417

**Deuteranomaly**  
192319

**Tritanomaly**  
092622

# Monochromacy



**Original Color**  
002718

**Achromatopsia**  
1A1A1A

**Achromatomaly**  
111F19

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002718 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 #002718 looks like.

```
.text, #text, p{  
    color:#002718  
}
```

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 #002718 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002718  
}
```

## Border

The CSS property to change the border of an element to Hex 002718 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  
#002718 }
```

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

```
.border{ border-color:#002718 }
```

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

Here you see how a box with a 4 pixel #002718 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002718; -webkit-box-shadow:4px 4px  
4px 4px #002718; box-shadow:4px 4px 4px  
4px #002718 }
```

# Background

The CSS property to change the background color of an element to Hex 002718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002718 }
```

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

```
.background{ background-color:#002718 }
```

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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