

# Converting Colors

Hex(002018)

Have a look what the booklet for  
Hex(002018) contains.

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# Color

**Hex(002018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002018
RGB	0, 32, 24
RGB Percent	0%, 13%, 9%
CMY	1.0000, 0.8745, 0.9059
CMYK	1.00, 0.00, 0.25, 0.87
HSL	165°, 100%, 6%
HSV	165°, 100%, 13%
XYZ	0.6814, 1.0990, 1.0404
YIQ	21.5200, -16.5040, -9.2720

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 18, 32
Decimal	8216
CIELab	9.79, -14.29, 2.03
CIELCh	10, 14.430, 171.928
Yxy	1.0990, 0.2416, 0.3896
Android (android.graphics.Color)	4278198296 (0xFF002018)
YUV	21.5200, 1.2226, -18.8730
Hunter-Lab	10.4832, -6.7435, 1.4542

# Details

The Hex color **002018** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **200008**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **2D4C43**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002018**, and if you desaturate by 10%, it is **032019**.

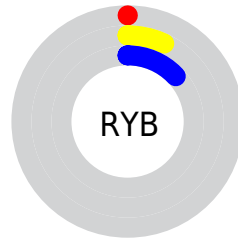
# Distribution



Red (0%)

Green (13%)

Blue (9%)



Red (0%)

Yellow (7%)

Blue (13%)

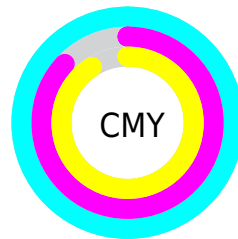


Cyan (100%)

Magenta (0%)

Yellow (25%)

Black (87%)



Cyan (100%)

Magenta (87%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002018 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 002018 by changing the saturation by 10% instead.



 002018

 002018

 E1FFFA

 000000

 2D4C43

 44645A

 5C7D73

 75978C

 8FB2A6

 AAEC2

 C5EADD

 002018

■ 032019

■ 06201A

■ 0A201A

■ 0D201B

■ 10201C

■ 13201D

■ 16201E

■ 1A201E

■ 1D201F

# Harmonies

## Analogous

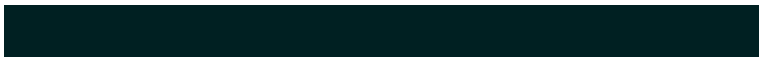
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0F1F0D



002018



002022

# Triad

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



002018



181A2D



2B1608

# Complementary

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



002018



200008

# 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.



2D1314



002018



251627

# Square

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



002018



051D2E



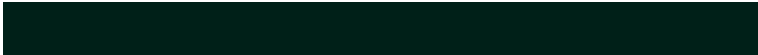
2C131E



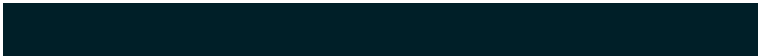
241901

# Rectangle

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



002018



001F28



2C131E



2C150D



# Sweetspot

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



002018



1D2926



082000



0D1413



949494



141414



# Same Dimension

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



002018



00291F



001820



0E0F0F



004F3B



00CF9B



# Inverse Universe

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



200008



29000A



200800



0F0E0E



4F0014



CF0034



# Previews

## White Background



This preview shows how the Hex color 002018 looks on a white background.

## Color Contrast Check

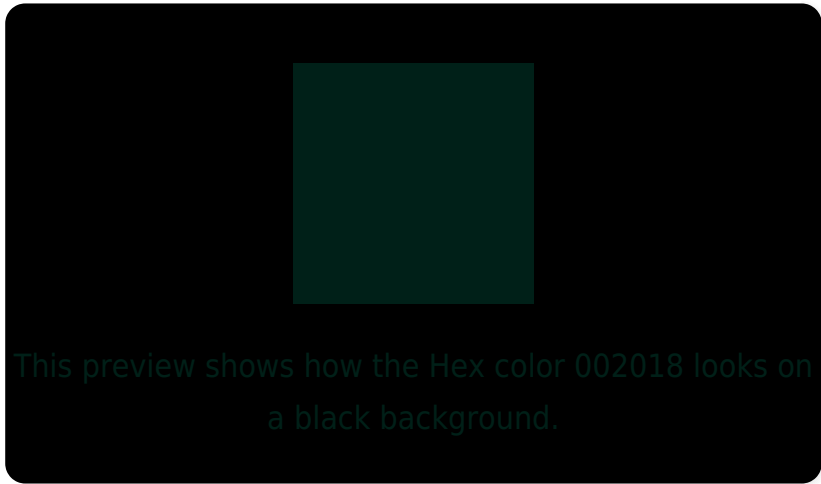
Large Text (above 18pt) WCAG AA ✓ Pass

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

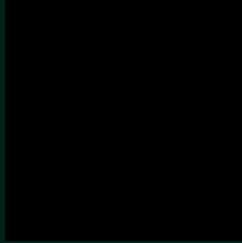
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002018 Background



This preview shows how black text looks on a background with the Hex color 002018.



This preview shows how white text looks on a background with the Hex color 002018.

# 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**  
002018

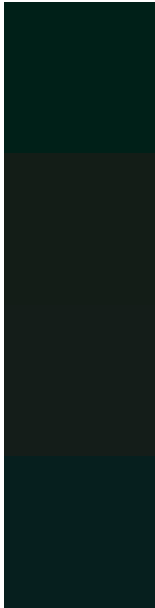
**Protanopia**  
1E1C16

**Deuteranopia**  
201B19



**Tritanopia**  
0A1F21

# Trichromacy



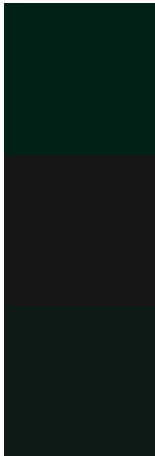
**Original Color**  
002018

**Protanomaly**  
131D17

**Deuteranomaly**  
141D19

**Tritanomaly**  
061F1E

# Monochromacy



**Original Color**  
002018

**Achromatopsia**  
161616

**Achromatomaly**  
0E1A17

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002018 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 #002018 looks like.

```
.text, #text, p{  
    color:#002018  
}
```

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 #002018 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002018
}
```

## Border

The CSS property to change the border of an element to Hex 002018 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
#002018 }
```

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

```
.border{ border-color:#002018 }
```

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

Here you see how a box with a 4 pixel #002018 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002018; -webkit-box-shadow:4px 4px  
4px 4px #002018; box-shadow:4px 4px 4px  
4px #002018 }
```

# Background

The CSS property to change the background color of an element to Hex 002018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002018 }
```

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

```
.background{ background-color:#002018 }
```

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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