

# Converting Colors

Hex(002024)

Have a look what the booklet for  
Hex(002024) contains.

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# Color

Hex(002024)

# Conversions

## Conversions Part 1

Format	Color
Hex	002024
RGB	0, 32, 36
RGB Percent	0%, 13%, 14%
CMY	1.0000, 0.8745, 0.8588
CMYK	1.00, 0.11, 0.00, 0.86
HSL	187°, 100%, 7%
HSV	187°, 100%, 14%
XYZ	0.8349, 1.1604, 1.8490
YIQ	22.8880, -20.3560, -5.5400

# Conversions

## Conversions Part 2

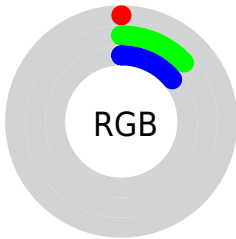
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 17, 36</a>
Decimal	<a href="#">8228</a>
CIELab	<a href="#">10.26, -10.03, -6.13</a>
CIElCh	<a href="#">10, 11.754, 211.425</a>
Yxy	<a href="#">1.1604, 0.2172, 0.3018</a>
Android (android.graphics.Color)	<a href="#">4278198308</a> ( <a href="#">0xFF002024</a> )
YUV	<a href="#">22.8880, 6.4642, -20.0728</a>
Hunter-Lab	<a href="#">10.7722, -5.0158, -2.6366</a>

# Details

The Hex color **002024** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **240400**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **2E4C50**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002024**, and if you desaturate by 10%, it is **042024**.

# Distribution



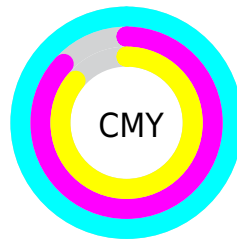
- Red (0%)
- Green (13%)
- Blue (14%)



- Red (0%)
- Yellow (7%)
- Blue (14%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (86%)



- Cyan (100%)
- Magenta (87%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002024 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 002024 by changing the saturation by 10% instead.



 002024

 002024

 E4FFFF

 00020F

 2E4C50

 000000

 456469

 5E7D82

 77979C

 91B2B6

 ACCDD2

 C7E9EE

 002024

■ 042024

■ 072124

■ 0B2124

■ 0E2224

■ 122224

■ 162224

■ 192324

■ 1D2324

■ 202424

# Harmonies

## Analogous

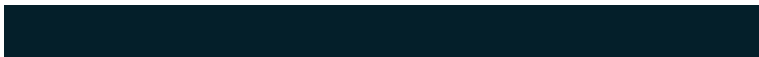
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



05201C



002024



041F2A

# Triad

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



002024



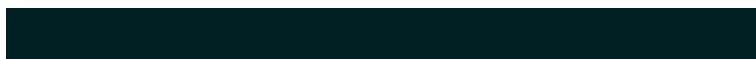
261724



211C09

# Complementary

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



002024



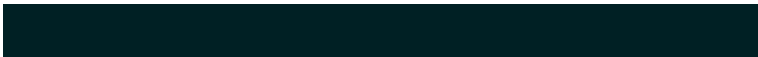
240400

# 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.



28190C



002024



2B161C

# Square

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



002024



1D1A2A



2B1714



191E0C

# Rectangle

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



002024



0C1D2C



2B1714



241B09



# Sweetspot

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



002024



202C2E



002404



0F1617



969696



171717



# Same Dimension

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



002024



00292E



000E24



101212



004952



00BAD1



# Inverse Universe

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



240020



2E0029



241600



121012



520049

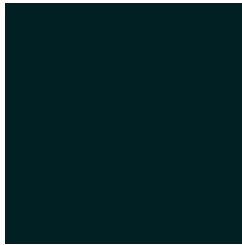


D100BA



# Previews

## White Background



This preview shows how the Hex color 002024 looks on a white background.

## Color Contrast Check

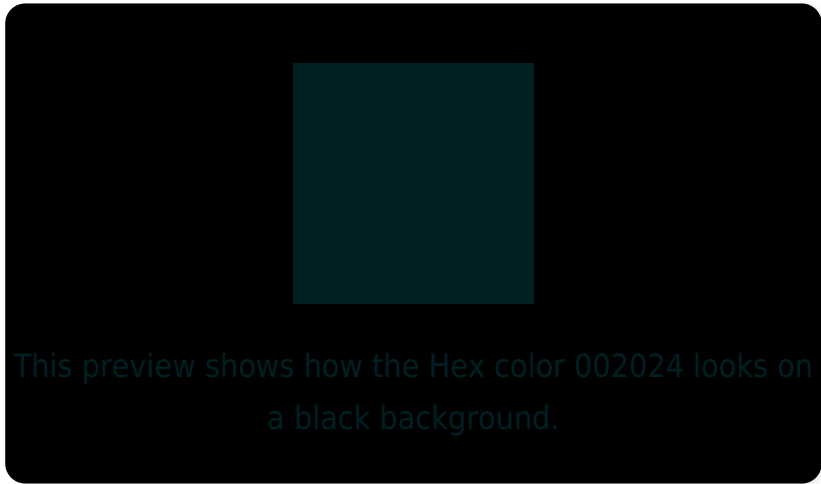
Large Text (above 18pt) WCAG AA ✓ Pass

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

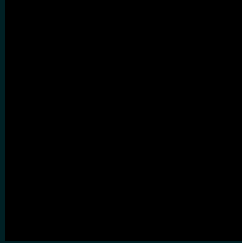
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

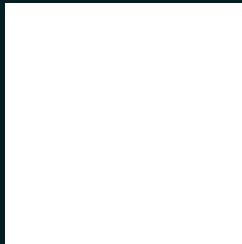
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 002024 Background



This preview shows how black text looks on a background with the Hex color 002024.

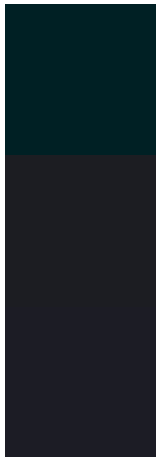


This preview shows how white text looks on a background with the Hex color 002024.

# 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**  
002024

**Protanopia**  
1C1D22

**Deuteranopia**  
1C1C25



# Trichromacy



**Original Color**  
002024

**Protanomaly**  
121E23

**Deuteranomaly**  
121D25

**Tritanomaly**  
002023

# Monochromacy



**Original Color**  
002024

**Achromatopsia**  
171717

**Achromatomaly**  
0F1A1C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002024 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 #002024 looks like.

```
.text, #text, p{  
    color:#002024  
}
```

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 #002024 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002024
}
```

## Border

The CSS property to change the border of an element to Hex 002024 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
#002024 }
```

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

```
.border{ border-color:#002024 }
```

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

Here you see how a box with a 4 pixel #002024 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002024; -webkit-box-shadow:4px 4px  
4px 4px #002024; box-shadow:4px 4px 4px  
4px #002024 }
```

# Background

The CSS property to change the background color of an element to Hex 002024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002024 }
```

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

```
.background{ background-color:#002024 }
```

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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