

Converting Colors

Hex(002016)

Have a look what the booklet for
Hex(002016) contains.

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Color

Hex(002016)

Conversions

Conversions Part 1

Format	Color
Hex	002016
RGB	0, 32, 22
RGB Percent	0%, 13%, 9%
CMY	1.0000, 0.8745, 0.9137
CMYK	1.00, 0.00, 0.31, 0.87
HSL	161°, 100%, 6%
HSV	161°, 100%, 13%
XYZ	0.6613, 1.0910, 0.9348
YIQ	21.2920, -15.8620, -9.8940

Conversions

Conversions Part 2

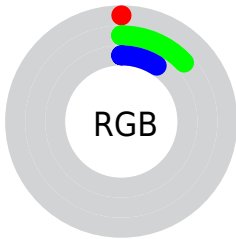
Format	Color
RYB	0, 19, 32
Decimal	8214
CIELab	9.73, -14.84, 3.40
CIELCh	10, 15.222, 167.091
Yxy	1.0910, 0.2461, 0.4060
Android (android.graphics.Color)	4278198294 (0xFF002016)
YUV	21.2920, 0.3490, -18.6731
Hunter-Lab	10.4449, -6.9765, 2.0052

Details

The Hex color **002016** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20000A**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **2D4C40**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002016**, and if you desaturate by 10%, it is **032017**.

Distribution



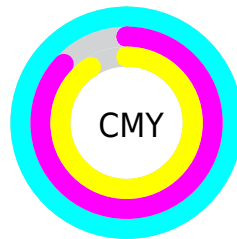
- Red (0%)
- Green (13%)
- Blue (9%)



- Red (0%)
- Yellow (7%)
- Blue (13%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (87%)



- Cyan (100%)
- Magenta (87%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002016 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 002016 by changing the saturation by 10% instead.

 002016

 002016

 E1FFF7

 000000

 2D4C40

 446458

 5C7D70

 759789

 8FB2A4

 AACEBF

 C5EADB

 002016

■ 032017

■ 062018

■ 0A2019

■ 0D201A

■ 10201B

■ 13201C

■ 16201D

■ 1A201E

■ 1D201F

Harmonies

Analogous

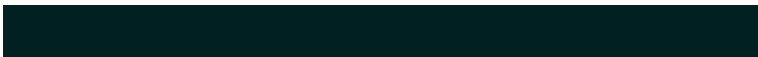
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



101F0A



002016



002021

Triad

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



002016



141A2E



2C1509

Complementary

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



002016



20000A

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.



2E1315



002016



231629

Square

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



002016



001D2F



2C1320



261900

Rectangle

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



002016



002027



2C1320



2D140D

Sweetspot

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



002016



1D2925



0A2000



0D1412



949494



141414

Same Dimension

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



002016



00291C



001A20



0E0F0F



004F36



00CF8E

Inverse Universe

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



20000A



29000D



200600



0F0E0E



4F0019



CF0041

Previews

White Background



This preview shows how the Hex color 002016 looks on a white background.

Color Contrast Check

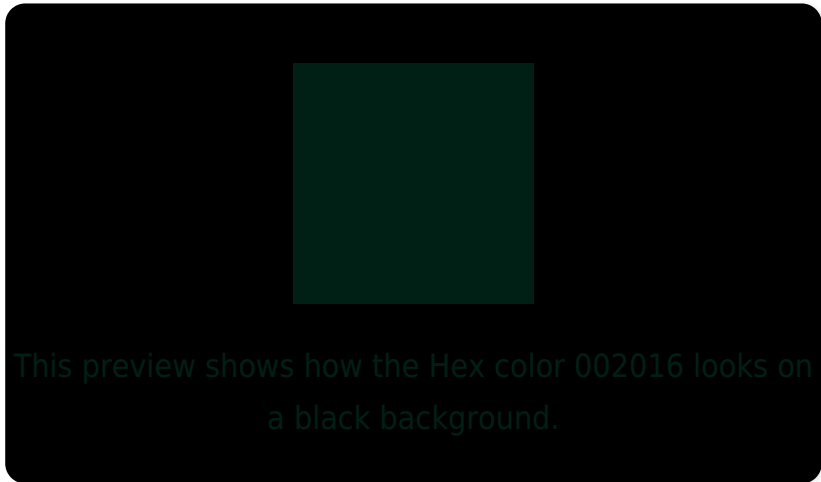
Large Text (above 18pt) WCAG AA ✓ Pass

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

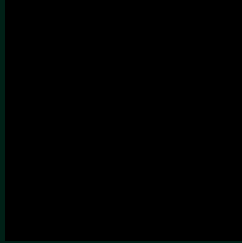
Any Text WCAG AA × Fail

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 002016 Background



This preview shows how black text looks on a background with the Hex color 002016.



This preview shows how white text looks on a background with the Hex color 002016.

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
002016

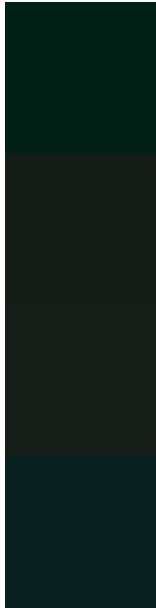
Protanopia
1E1C14

Deuteranopia
201B17



Tritanopia
0B1F21

Trichromacy



Original Color
002016

Protanomaly
131D15

Deuteranomaly
141D17

Tritanomaly
071F1D

Monochromacy



Original Color
002016

Achromatopsia
151515

Achromatomaly
0D1915

CSS Examples

Text

The CSS property to change the color of the text to Hex 002016 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 #002016 looks like.

```
.text, #text, p{  
    color:#002016  
}
```

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 #002016 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002016
}
```

Border

The CSS property to change the border of an element to Hex 002016 is called "border". The border property can be set on classes, ids or directly on the HTML element.

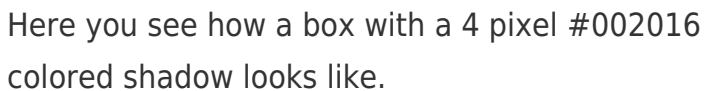
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#002016 }
```

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

```
.border{ border-color:#002016 }
```

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



Here you see how a box with a 4 pixel #002016 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002016; -webkit-box-shadow:4px 4px  
4px 4px #002016; box-shadow:4px 4px 4px  
4px #002016 }
```

Background

The CSS property to change the background color of an element to Hex 002016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002016 }
```

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

```
.background{ background-color:#002016 }
```

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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