

Converting Colors

Hex(002000)

Have a look what the booklet for
Hex(002000) contains.

Hex(002000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(002000)

Conversions

Conversions Part 1

Format	Color
Hex	002000
RGB	0, 32, 0
RGB Percent	0%, 13%, 0%
CMY	1.0000, 0.8745, 1.0000
CMYK	1.00, 0.00, 1.00, 0.87
HSL	120°, 100%, 6%
HSV	120°, 100%, 13%
XYZ	0.5165, 1.0330, 0.1722
YIQ	18.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

Format	Color
RYB	0, 32, 32
Decimal	8192
CIELab	9.26, -18.77, 13.51
CIELCh	9, 23.127, 144.258
Yxy	1.0330, 0.3000, 0.6000
Android (android.graphics.Color)	4278198272 (0xFF002000)
YUV	18.7840, -9.2605, -16.4736
Hunter-Lab	10.1638, -8.7154, 6.1103

Details

The Hex color **002000** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **200020**, and the grayscale version is **131313**.

A 20% lighter version of the original color is **2C4C2F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002000**, and if you desaturate by 10%, it is **032003**.

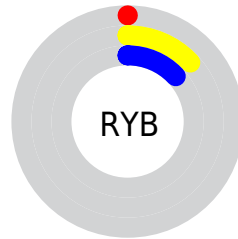
Distribution



Red (0%)

Green (13%)

Blue (0%)



Red (0%)

Yellow (13%)

Blue (13%)

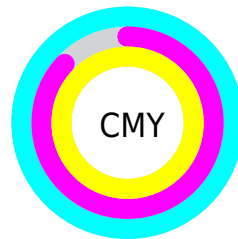


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (87%)



Cyan (100%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002000 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 002000 by changing the saturation by 10% instead.

 002000

 002000

 E1FFE2

 000000

 2C4C2F

 446446

 5C7D5E

 759776

 8FB290

 A9CEAB

 C5EAC6

 002000

■ 032003

■ 062006

■ 0A200A

■ 0D200D

■ 102010

■ 132013

■ 162016

■ 1A201A

■ 1D201D

Harmonies

Analogous

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



161D00



002000



002216

Triad

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



002000



001D39



350B0C

Complementary

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



002000



200020

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.



340A1E



002000



131736

Square

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



002000



002033



2A102C



301200

Rectangle

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



002000



002221



2A102C



360A13

Sweetspot

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



002000



1D291D



202000



0D140D



949494



141414

Same Dimension

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



002000



002900



002010



0E0F0E



004F00



00CF00

Inverse Universe

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



200020



290029



200010



0F0E0F



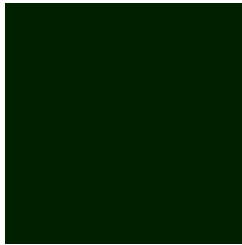
4F004F



CF00CF

Previews

White Background



This preview shows how the Hex color 002000 looks on a white background.

Color Contrast Check

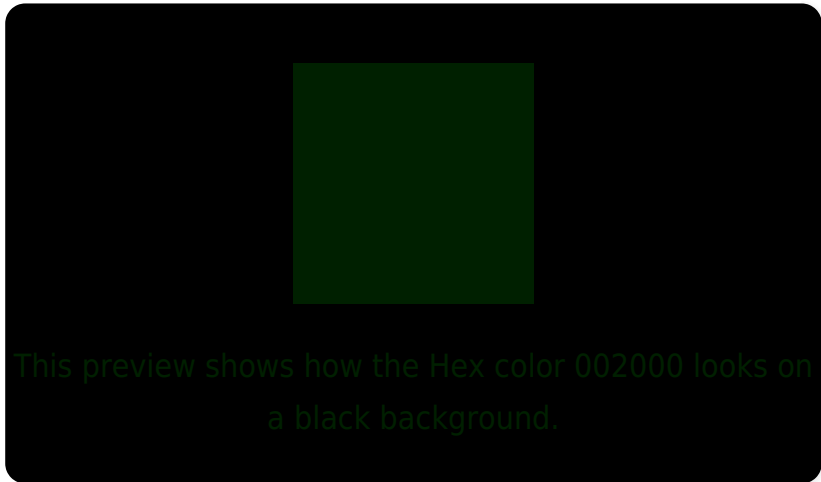
Large Text (above 18pt) WCAG AA ✓ Pass

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

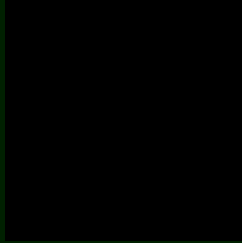
Any Text WCAG AA × Fail

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 002000 Background



This preview shows how black text looks on a background with the Hex color 002000.



This preview shows how white text looks on a background with the Hex color 002000.

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
002000

Protanopia
1F1B00

Deuteranopia
221A07



Tritanopia
0D1E20

Trichromacy



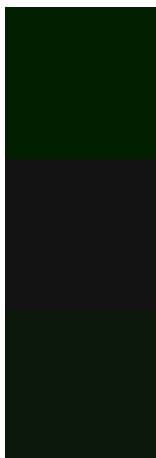
Original Color
002000

Protanomaly
141D00

Deuteranomaly
161C04

Tritanomaly
081F14

Monochromacy



Original Color
002000

Achromatopsia
131313

Achromatomaly
0C180C

CSS Examples

Text

The CSS property to change the color of the text to Hex 002000 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 #002000 looks like.

```
.text, #text, p{  
    color:#002000  
}
```

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 #002000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002000
}
```

Border

The CSS property to change the border of an element to Hex 002000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

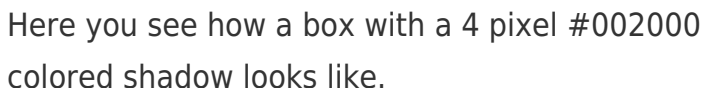
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#002000 }
```

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

```
.border{ border-color:#002000 }
```

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



Here you see how a box with a 4 pixel #002000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002000; -webkit-box-shadow:4px 4px  
4px 4px #002000; box-shadow:4px 4px 4px  
4px #002000 }
```

Background

The CSS property to change the background color of an element to Hex 002000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002000 }
```

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

```
.background{ background-color:#002000 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor