

# Converting Colors

Hex(003801)

Have a look what the booklet for  
Hex(003801) contains.

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# Color

**Hex(003801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003801
RGB	0, 56, 1
RGB Percent	0%, 22%, 0%
CMY	1.0000, 0.7804, 0.9961
CMYK	1.00, 0.00, 0.98, 0.78
HSL	121°, 100%, 11%
HSV	121°, 100%, 22%
XYZ	1.4197, 2.8305, 0.5002
YIQ	32.9860, -15.7210, -28.9770

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 55, 56
Decimal	14337
CIELab	19.35, -29.24, 26.21
CIELCh	19, 39.271, 138.131
Yxy	2.8305, 0.2988, 0.5958
Android (android.graphics.Color)	4278204417 (0xFF003801)
YUV	32.9860, -15.7691, -28.9287
Hunter-Lab	16.8242, -14.3803, 10.0140

# Details

The Hex color **003801** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **380037**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **366830**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **003801**, and if you desaturate by 10%, it is **063806**.

# Distribution



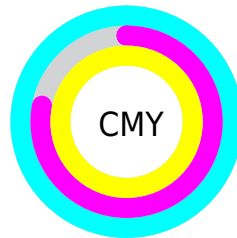
- Red (0%)
- Green (22%)
- Blue (0%)



- Red (0%)
- Yellow (22%)
- Blue (22%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (78%)



- Cyan (100%)
- Magenta (78%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003801 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 003801 by changing the saturation by 10% instead.



 003801

 003801

 F2FFE5

 002300

 366830

 000000

 4F8147

 689C5F

 82B779

 9DD293

 B9EFAD

 D5FFC9

 003801

■ 063806

■ 0B380C

■ 113812

■ 163817

■ 1C381C

■ 223822

■ 273827

■ 2D382D

■ 323833

# Harmonies

## Analogous

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



2B3300



003801



003B22

# Triad

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



003801



003667



600B1F

# Complementary

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



003801



380037

# 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.



5B0C3C



003801



062C66

# Square

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



003801



003A59



451E56



571B00

# Rectangle

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



003801



003B36



451E56



600828



# Sweetspot

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



003801



344A34



373800



182619



A6A6A6



262626



# Same Dimension

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



003801



004A01



00381D



191C19



005C02



00DB04



# Inverse Universe

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



380037



4A0049



38001B



1C191C



5C005A

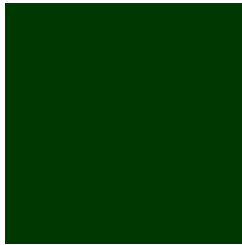


DB00D7



# Previews

## White Background



This preview shows how the Hex color 003801 looks on a white background.

## Color Contrast Check

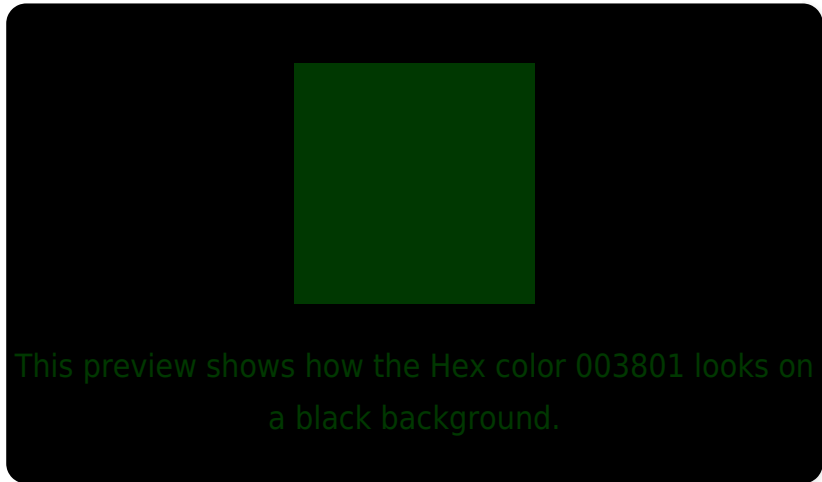
Large Text (above 18pt) WCAG AA ✓ Pass

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

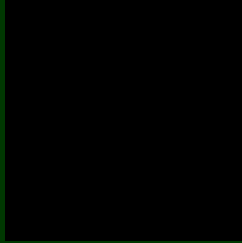
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003801 Background



This preview shows how black text looks on a background with the Hex color 003801.



This preview shows how white text looks on a background with the Hex color 003801.

# 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](#).

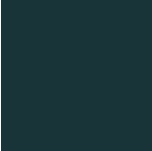
## Dichromacy



**Original Color**  
003801

**Protanopia**  
363000

**Deuteranopia**  
3C2D0C



**Tritanopia**  
183438

# Trichromacy



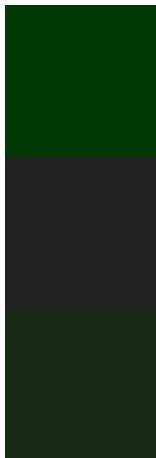
**Original Color**  
003801

**Protanomaly**  
223300

**Deuteranomaly**  
263108

**Tritanomaly**  
0F3524

# Monochromacy



**Original Color**  
003801

**Achromatopsia**  
212121

**Achromatomaly**  
152915

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003801 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 #003801 looks like.

```
.text, #text, p{  
    color:#003801  
}
```

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 #003801 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003801
}
```

## Border

The CSS property to change the border of an element to Hex 003801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

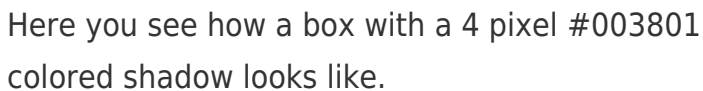
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#003801 }
```

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

```
.border{ border-color:#003801 }
```

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



Here you see how a box with a 4 pixel #003801 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003801; -webkit-box-shadow:4px 4px  
4px 4px #003801; box-shadow:4px 4px 4px  
4px #003801 }
```

# Background

The CSS property to change the background color of an element to Hex 003801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003801 }
```

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

```
.background{ background-color:#003801 }
```

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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