

# Converting Colors

Hex(003119)

Have a look what the booklet for  
Hex(003119) contains.

<b>Hex(003119)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(003119)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003119
RGB	0, 49, 25
RGB Percent	0%, 19%, 10%
CMY	1.0000, 0.8078, 0.9020
CMYK	1.00, 0.00, 0.49, 0.81
HSL	151°, 100%, 10%
HSV	151°, 100%, 19%
XYZ	1.2738, 2.2668, 1.2901
YIQ	31.6130, -21.5000, -17.8520

# Conversions

## Conversions Part 2

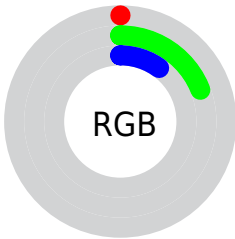
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 32, 49
Decimal	12569
CIELab	16.83, -22.74, 11.01
CIELCh	17, 25.265, 154.172
Yxy	2.2668, 0.2637, 0.4693
Android (android.graphics.Color)	4278202649 (0xFF003119)
YUV	31.6130, -3.2602, -27.7246
Hunter-Lab	15.0559, -11.2462, 5.4587

# Details

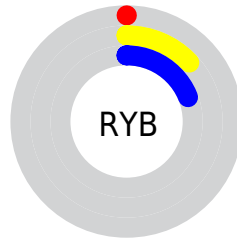
The Hex color **003119** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **310018**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **326044**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **003119**, and if you desaturate by 10%, it is **05311B**.

# Distribution



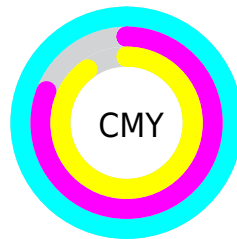
- Red (0%)
- Green (19%)
- Blue (10%)



- Red (0%)
- Yellow (13%)
- Blue (19%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (81%)



- Cyan (100%)
- Magenta (81%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003119 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 003119 by changing the saturation by 10% instead.



 003119

 003119

 EBFFFC

 001D00

 326044

 000000

 4A795C

 639375

 7DAE8E

 98C9A9

 B3E5C4

 CFFFE0

 003119

■ 05311B

■ 0A311E

■ 0F3120

■ 143123

■ 193125

■ 1D3127

■ 22312A

■ 27312C

■ 2C312F

# Harmonies

## Analogous

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



1E2E07



003119



00322C

# Triad

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



003119



022B4E



481C16

# Complementary

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



003119



310018

# 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.



4A1828



003119



2D2448

# Square

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



003119



002F4A



411C3A



3F2305

# Rectangle

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



003119



003238



411C3A



4A1A1C



# Sweetspot

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



003119



2D4036



193100



15211B



A1A1A1



212121



# Same Dimension

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



003119



004021



003131



171A18



00592E



00D96F



# Inverse Universe

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



310018



40001F



310000



1A1718



59002C



D9006A



# Previews

## White Background



This preview shows how the Hex color 003119 looks on a white background.

## Color Contrast Check

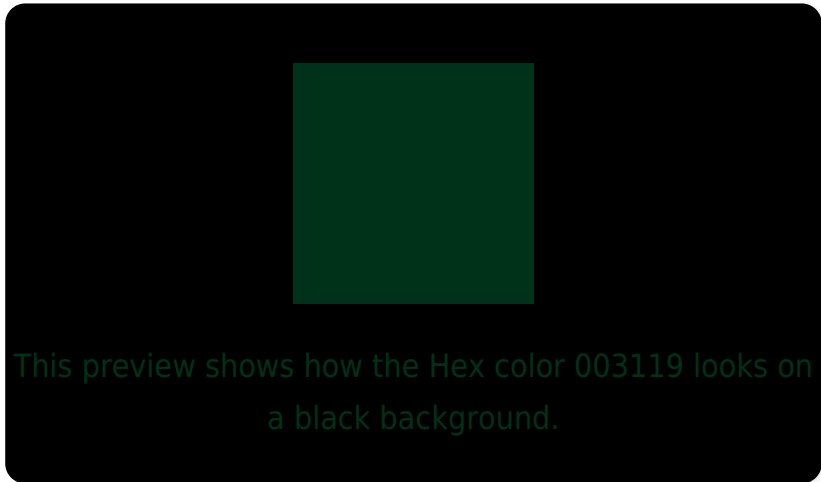
Large Text (above 18pt) WCAG AA ✓ Pass

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

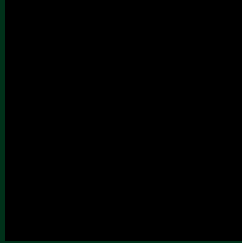
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003119 Background



This preview shows how black text looks on a background with the Hex color 003119.



This preview shows how white text looks on a background with the Hex color 003119.

# 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**  
003119

**Protanopia**  
2F2A17

**Deuteranopia**  
33281B



**Tritanopia**  
132E32

# Trichromacy



**Original Color**  
003119

**Protanomaly**  
1E2D18

**Deuteranomaly**  
202B1A

**Tritanomaly**  
0C2F29

# Monochromacy



**Original Color**  
003119

**Achromatopsia**  
202020

**Achromatomaly**  
14261D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003119 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 #003119 looks like.

```
.text, #text, p{  
    color:#003119  
}
```

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 #003119 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003119
}
```

## Border

The CSS property to change the border of an element to Hex 003119 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
#003119 }
```

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

```
.border{ border-color:#003119 }
```

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

Here you see how a box with a 4 pixel #003119 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003119; -webkit-box-shadow:4px 4px  
4px 4px #003119; box-shadow:4px 4px 4px  
4px #003119 }
```

# Background

The CSS property to change the background color of an element to Hex 003119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003119 }
```

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

```
.background{ background-color:#003119 }
```

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