

# Converting Colors

Hex(10002D)

Have a look what the booklet for  
Hex(10002D) contains.

<b>Hex(10002D)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(10002D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	10002D
RGB	16, 0, 45
RGB Percent	6%, 0%, 18%
CMY	0.9373, 1.0000, 0.8235
CMYK	0.64, 1.00, 0.00, 0.82
HSL	261°, 100%, 9%
HSV	261°, 100%, 18%
XYZ	0.6873, 0.2996, 2.5042
YIQ	9.9140, -4.9090, 17.3870

# Conversions

## Conversions Part 2

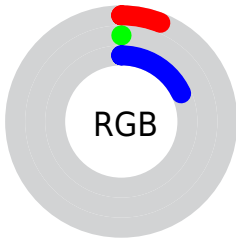
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 0, 45
Decimal	1048621
CIE Lab	2.71, 16.49, -24.62
CIE LCh	3, 29.636, 303.810
Yxy	0.2996, 0.1969, 0.0858
Android (android.graphics.Color)	4279238701 (0xFF10002D)
YUV	9.9140, 17.2974, 5.3374
Hunter-Lab	5.4738, 12.8351, -23.2934

# Details

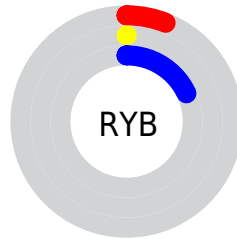
The Hex color **10002D** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **1D2D00**, and the grayscale version is **0A0A0A**.

A 20% lighter version of the original color is **3A2F5B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **10002D**, and if you desaturate by 10%, it is **13042D**.

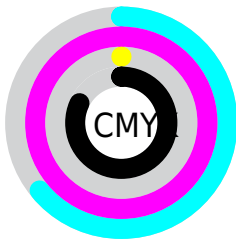
# Distribution



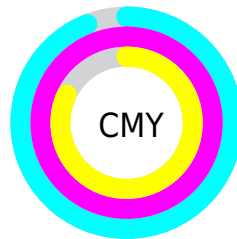
- Red (6%)
- Green (0%)
- Blue (18%)



- Red (6%)
- Yellow (0%)
- Blue (18%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (82%)



- Cyan (94%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 10002D 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 10002D by changing the saturation by 10% instead.



 10002D

 10002D

 F3E2FF

 000118

 3A2F5B

 000000

 524674

 6B5D8E

 8576A8

 A090C3

 BBAADF

 D7C5FC

 10002D

■ 13042D

■ 16092D

■ 190E2D

■ 1C122D

■ 1E172D

■ 211B2D

■ 24202D

■ 27242D

■ 2A292D

# Harmonies

## Analogous

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



000C33



10002D



26001E

# Triad

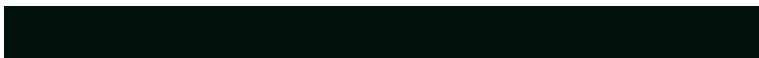
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10002D



210000



00110E

# Complementary

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



10002D



1D2D00

# 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.



001100



10002D



0A0B00

# Square

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



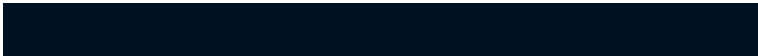
10002D



2B0000



001100



001222

# Rectangle

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



10002D



2C0011



001100



001102



# Sweetspot

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



10002D



2F293B



001D2D



18141F



9E9E9E



1F1F1F



# Same Dimension

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



10002D



15003B



26002D



151517



1F0057



4C00D6



# Inverse Universe

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



2D001D



3B0026



072D00



171516



570038

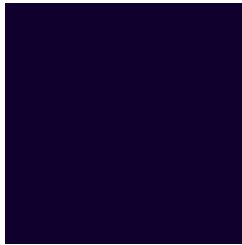


D6008A



# Previews

## White Background



This preview shows how the Hex color 10002D looks on a white background.

## Color Contrast Check

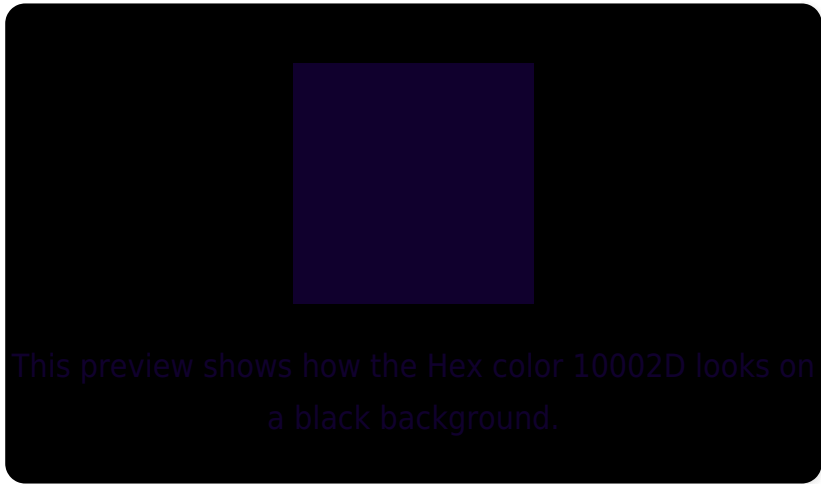
Large Text (above 18pt) WCAG AA ✓ Pass

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

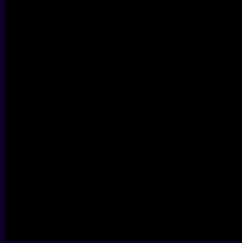
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 10002D Background



This preview shows how black text looks on a background with the Hex color 10002D.



This preview shows how white text looks on a background with the Hex color 10002D.

# 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**  
10002D

**Protanopia**  
000F1F

**Deuteranopia**  
00101B



**Tritanopia**  
001112

# Trichromacy



**Original Color**  
10002D

**Protanomaly**  
060A24

**Deuteranomaly**  
060A22

**Tritanomaly**  
060B1C

# Monochromacy



**Original Color**  
10002D

**Achromatopsia**  
0A0A0A

**Achromatomaly**  
0C0617

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 10002D 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 #10002D looks like.

```
.text, #text, p{  
    color:#10002D  
}
```

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 #10002D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #10002D
}
```

## Border

The CSS property to change the border of an element to Hex 10002D is called "border". The border property can be set on classes, ids or directly on the HTML element.

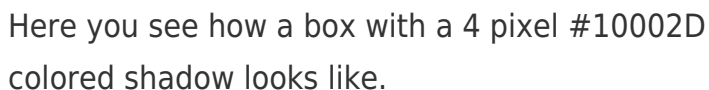
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#10002D }
```

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

```
.border{ border-color:#10002D }
```

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



Here you see how a box with a 4 pixel #10002D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #10002D; -webkit-box-shadow:4px 4px  
4px 4px #10002D; box-shadow:4px 4px 4px  
4px #10002D }
```

# Background

The CSS property to change the background color of an element to Hex 10002D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#10002D }
```

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

```
.background{ background-color:#10002D }
```

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