

Converting Colors

Hex(12003D)

Have a look what the booklet for
Hex(12003D) contains.

Hex(12003D)	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(12003D)

Conversions

Conversions Part 1

Format	Color
Hex	12003D
RGB	18, 0, 61
RGB Percent	7%, 0%, 24%
CMY	0.9294, 1.0000, 0.7608
CMYK	0.70, 1.00, 0.00, 0.76
HSL	258°, 100%, 12%
HSV	258°, 100%, 24%
XYZ	1.0918, 0.4655, 4.4472
YIQ	12.3360, -8.8530, 22.7870

Conversions

Conversions Part 2

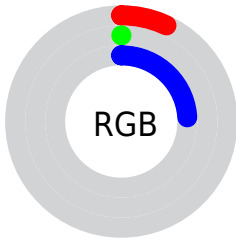
Format	Color
R_YB	18, 0, 61
Decimal	1179709
CIE Lab	4.21, 25.72, -34.04
CIE LCh	4, 42.667, 307.078
Yxy	0.4655, 0.1818, 0.0775
Android (android.graphics.Color)	4279369789 (0xFF12003D)
YUV	12.3360, 23.9914, 4.9673
Hunter-Lab	6.8229, 16.6224, -33.8694

Details

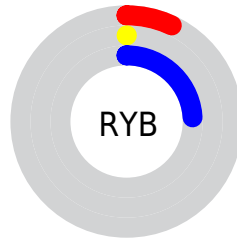
The Hex color **12003D** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **2B3D00**, and the grayscale version is **0C0C0C**.

A 20% lighter version of the original color is **432D6D**, and **000110** is the 20% darker color. If you saturate the color by 10%, you get **12003D**, and if you desaturate by 10%, it is **16063D**.

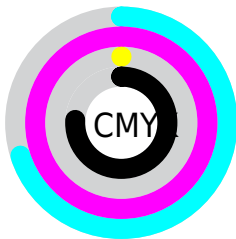
Distribution



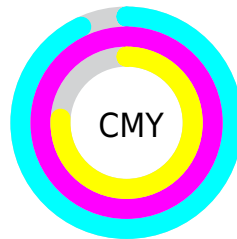
- Red (7%)
- Green (0%)
- Blue (24%)



- Red (7%)
- Yellow (0%)
- Blue (24%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (76%)



- Cyan (93%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12003D 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 12003D by changing the saturation by 10% instead.

 12003D

 12003D

 FFE0FF

 000226

 432D6D

 000110

 5C4487

 000000

 755CA1

 9074BD

 AB8ED9

 C7A9F5

 E3C4FF

 12003D

■ 16063D

■ 1B0C3D

■ 1F123D

■ 23183D

■ 281F3D

■ 2C253D

■ 302B3D

■ 34313D

■ 39373D

Harmonies

Analogous

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



001148



12003D



330026

Triad

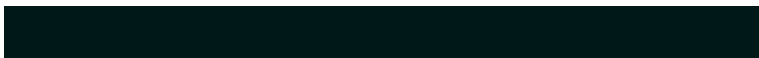
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12003D



270200



001817

Complementary

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



12003D



2B3D00

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.



001700



12003D



0A1100

Square

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



12003D



360000



001700



001931

Rectangle

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



12003D



3B0014



001700



001809

Sweetspot

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



12003D



3E374F



002C3D



1E1A29



A8A8A8



292929

Same Dimension

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



12003D



17004F



30003D



1C1C1F



1C005E



4100DE

Inverse Universe

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



3D002B



4F0038



0D3D00



1F1C1E



5E0043



DE009C

Previews

White Background



This preview shows how the Hex color 12003D looks on a white background.

Color Contrast Check

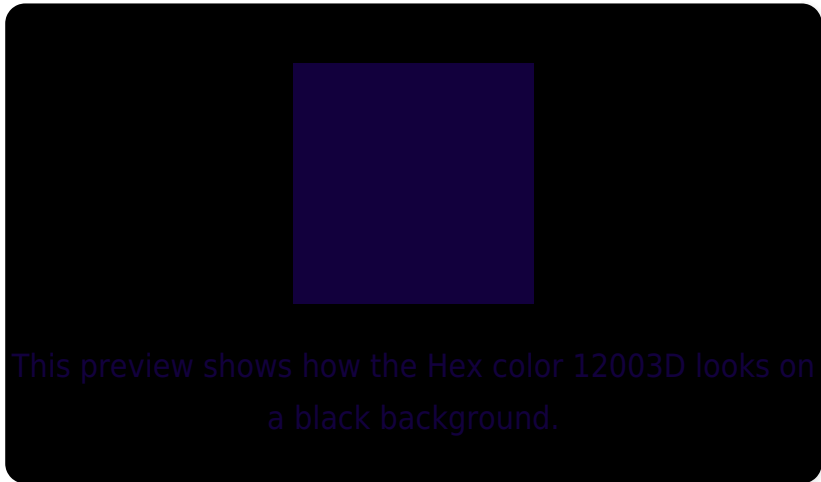
Large Text (above 18pt) WCAG AA ✓ Pass

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

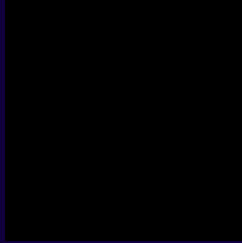
Any Text WCAG AA × Fail

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 12003D Background



This preview shows how black text looks on a background with the Hex color 12003D.



This preview shows how white text looks on a background with the Hex color 12003D.

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
12003D

Protanopia
001329

Deuteranopia
001523



Tritanopia
001618

Trichromacy



Original Color
12003D

Protanomaly
070C30

Deuteranomaly
070D2C

Tritanomaly
070E25

Monochromacy



Original Color
12003D

Achromatopsia
0C0C0C

Achromatomaly
0E081E

CSS Examples

Text

The CSS property to change the color of the text to Hex 12003D 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 #12003D looks like.

```
.text, #text, p{  
    color:#12003D  
}
```

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 #12003D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12003D
}
```

Border

The CSS property to change the border of an element to Hex 12003D is called "border". The border property can be set on classes, ids or directly on the HTML element.

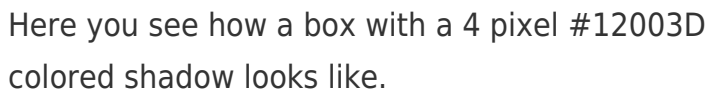
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#12003D }
```

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

```
.border{ border-color:#12003D }
```

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



Here you see how a box with a 4 pixel #12003D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12003D; -webkit-box-shadow:4px 4px  
4px 4px #12003D; box-shadow:4px 4px 4px  
4px #12003D }
```

Background

The CSS property to change the background color of an element to Hex 12003D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12003D }
```

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

```
.background{ background-color:#12003D }
```

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