

Converting Colors

Hex(12003A)

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

Hex(12003A)	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(12003A)

Conversions

Conversions Part 1

Format	Color
Hex	12003A
RGB	18, 0, 58
RGB Percent	7%, 0%, 23%
CMY	0.9294, 1.0000, 0.7725
CMYK	0.69, 1.00, 0.00, 0.77
HSL	259°, 100%, 11%
HSV	259°, 100%, 23%
XYZ	1.0132, 0.4341, 4.0334
YIQ	11.9940, -7.8900, 21.8540

Conversions

Conversions Part 2

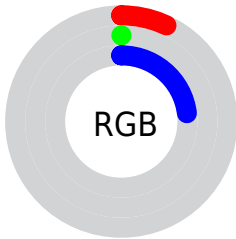
Format	Color
RYB	18, 0, 58
Decimal	1179706
CIELab	3.92, 24.17, -32.32
CIElCh	4, 40.363, 306.791
Yxy	0.4341, 0.1849, 0.0792
Android (android.graphics.Color)	4279369786 (0xFF12003A)
YUV	11.9940, 22.6810, 5.2673
Hunter-Lab	6.5885, 15.9196, -31.6843

Details

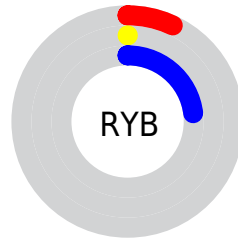
The Hex color **12003A** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **283A00**, and the grayscale version is **0C0C0C**.

A 20% lighter version of the original color is **412D6A**, and **00000B** is the 20% darker color. If you saturate the color by 10%, you get **12003A**, and if you desaturate by 10%, it is **16063A**.

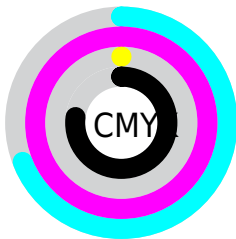
Distribution



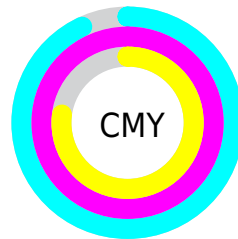
- Red (7%)
- Green (0%)
- Blue (23%)



- Red (7%)
- Yellow (0%)
- Blue (23%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (77%)



- Cyan (93%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

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

 12003A

 12003A

 FEE0FF

 000224

 412D6A

 00000B

 5A4483

 000000

 745C9E

 8E75B9

 A98ED5

 C5A9F1

 E1C4FF

 12003A

■ 16063A

■ 1A0C3A

■ 1E113A

■ 22173A

■ 261D3A

■ 2A233A

■ 2E293A

■ 322E3A

■ 36343A

Harmonies

Analogous

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



001045



12003A



310025

Triad

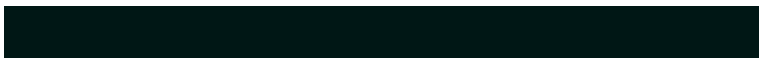
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12003A



260100



001715

Complementary

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



12003A



283A00

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.



001600



12003A



0A1000

Square

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



12003A



340000



001600



00182F

Rectangle

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



12003A



380013



001600



001608

Sweetspot

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



12003A



3D364D



00293A



1D1826



A6A6A6



262626

Same Dimension

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



12003A



18004D



2E003A



1A191C



1C005C



4400DB

Inverse Universe

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



3A0028



4D0035



0C3A00



1C191B



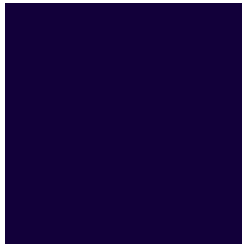
5C003F



DB0097

Previews

White Background



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

Color Contrast Check

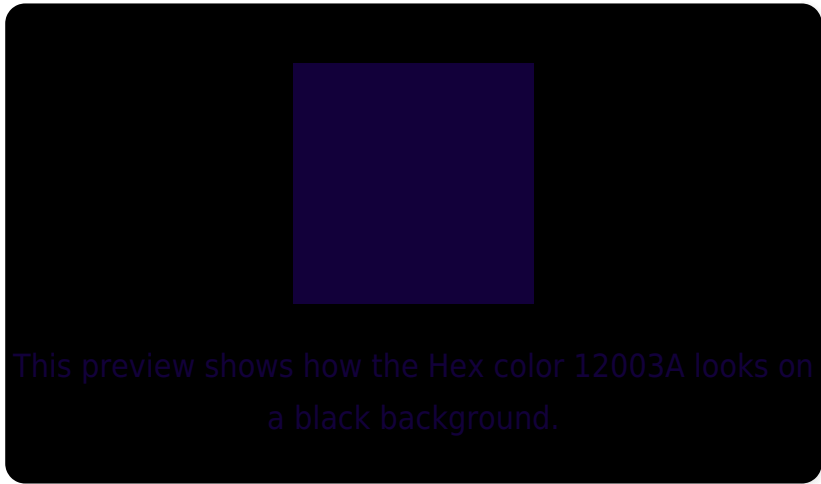
Large Text (above 18pt) WCAG AA ✓ Pass

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

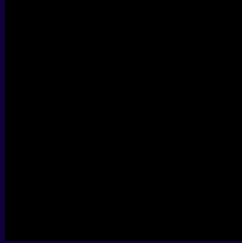
Any Text WCAG AA × Fail

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 12003A Background



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



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

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
12003A

Protanopia
001327

Deuteranopia
001421



Tritanopia
001517

Trichromacy



Original Color
12003A

Protanomaly
070C2E

Deuteranomaly
070D2A

Tritanomaly
070D24

Monochromacy



Original Color
12003A

Achromatopsia
0C0C0C

Achromatomaly
0E081D

CSS Examples

Text

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

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

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 #12003A colored shadow looks like.

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

Border

The CSS property to change the border of an element to Hex 12003A 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
#12003A }
```

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

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

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

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

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

Background

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

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

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

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

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