

Converting Colors

Hex(002246)

Have a look what the booklet for
Hex(002246) contains.

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Color

Hex(002246)

Conversions

Conversions Part 1

Format	Color
Hex	002246
RGB	0, 34, 70
RGB Percent	0%, 13%, 27%
CMY	1.0000, 0.8667, 0.7255
CMYK	1.00, 0.51, 0.00, 0.73
HSL	211°, 100%, 14%
HSV	211°, 100%, 27%
XYZ	1.6775, 1.5863, 6.0121
YIQ	27.9380, -31.8200, 3.9880

Conversions

Conversions Part 2

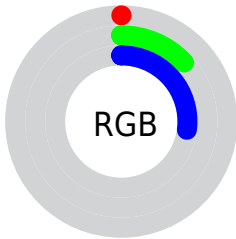
Format	Color
RYB	0, 23, 70
Decimal	8774
CIELab	13.15, 4.55, -25.91
CIELCh	13, 26.303, 279.962
Yxy	1.5863, 0.1808, 0.1710
Android (android.graphics.Color)	4278198854 (0xFF002246)
YUV	27.9380, 20.7366, -24.5016
Hunter-Lab	12.5946, 1.7343, -19.4861

Details

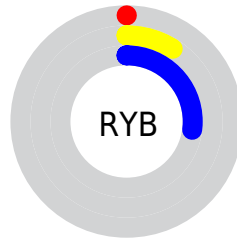
The Hex color **002246** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **462400**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **394E77**, and **00011A** is the 20% darker color. If you saturate the color by 10%, you get **002246**, and if you desaturate by 10%, it is **072646**.

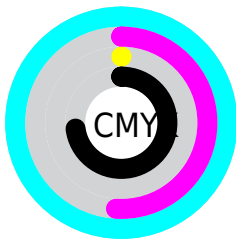
Distribution



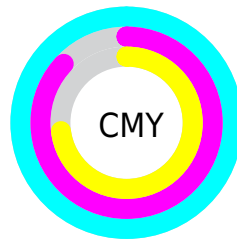
- Red (0%)
- Green (13%)
- Blue (27%)



- Red (0%)
- Yellow (9%)
- Blue (27%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (73%)



- Cyan (100%)
- Magenta (87%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002246 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 002246 by changing the saturation by 10% instead.

 002246

 002246

 F6FFFF

 000B2F

 394E77

 00011A

 526691

 000000

 6C7FAB

 8698C7

 A1B3E3

 BDCFFF

 D9EBFF

 002246

■ 072646

■ 0E2946

■ 152D46

■ 1C3046

■ 233446

■ 2A3846

■ 313B46

■ 383F46

■ 3F4246

Harmonies

Analogous

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



002744



002246



2A1A3E

Triad

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



002246



3F1408



002915

Complementary

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



002246



462400

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.



132700



002246



351C00

Square

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



002246



420F1D



262300



002A28

Rectangle

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



002246



371434



262300



00290E

Sweetspot

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



002246



404E5C



004623



1D252E



ADADAD



2E2E2E

Same Dimension

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



002246



002D5C



000046



202224



003063



006EE3

Inverse Universe

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



460022



5C002D



464600



242022



630030



E3006E

Previews

White Background



This preview shows how the Hex color 002246 looks on a white background.

Color Contrast Check

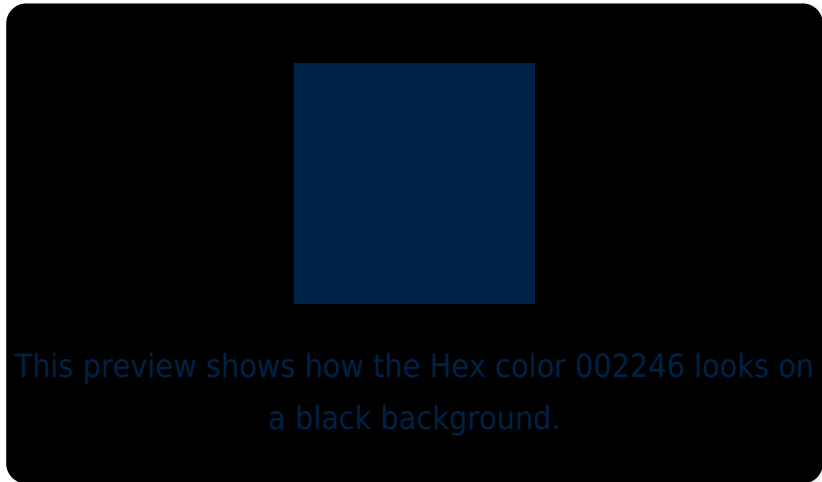
Large Text (above 18pt) WCAG AA ✓ Pass

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

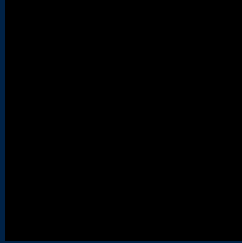
Any Text WCAG AA × Fail

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 002246 Background



This preview shows how black text looks on a background with the Hex color 002246.



This preview shows how white text looks on a background with the Hex color 002246.

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
002246

Protanopia
0B2246

Deuteranopia
00243E

Trichromacy



Original Color
002246

Protanomaly
072246

Deuteranomaly
002341

Tritanomaly
002534

Monochromacy



Original Color
002246

Achromatopsia
1C1C1C

Achromatomaly
121E2B

CSS Examples

Text

The CSS property to change the color of the text to Hex 002246 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 #002246 looks like.

```
.text, #text, p{  
    color:#002246  
}
```

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 #002246 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002246
}
```

Border

The CSS property to change the border of an element to Hex 002246 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".

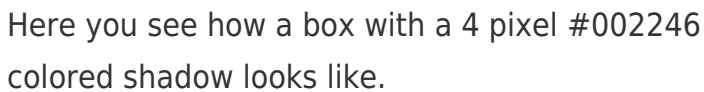
```
.border, #border, table{ border:4px solid
#002246 }
```

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

```
.border{ border-color:#002246 }
```

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

Here you see how a box with a 4 pixel #002246 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002246; -webkit-box-shadow:4px 4px  
4px 4px #002246; box-shadow:4px 4px 4px  
4px #002246 }
```

Background

The CSS property to change the background color of an element to Hex 002246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002246 }
```

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

```
.background{ background-color:#002246 }
```

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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