

Converting Colors

Hex(002228)

Have a look what the booklet for
Hex(002228) contains.

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Color

Hex(002228)

Conversions

Conversions Part 1

Format	Color
Hex	002228
RGB	0, 34, 40
RGB Percent	0%, 13%, 16%
CMY	1.0000, 0.8667, 0.8431
CMYK	1.00, 0.15, 0.00, 0.84
HSL	189°, 100%, 8%
HSV	189°, 100%, 16%
XYZ	0.9550, 1.2973, 2.2075
YIQ	24.5180, -22.1900, -5.3420

Conversions

Conversions Part 2

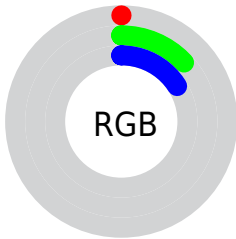
Format	Color
RYB	0, 18, 40
Decimal	8744
CIELab	11.26, -9.59, -7.54
CIELCh	11, 12.201, 218.182
Yxy	1.2973, 0.2141, 0.2909
Android (android.graphics.Color)	4278198824 (0xFF002228)
YUV	24.5180, 7.6326, -21.5023
Hunter-Lab	11.3897, -4.9647, -3.5187

Details

The Hex color **002228** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **280600**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **2F4E55**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002228**, and if you desaturate by 10%, it is **042328**.

Distribution



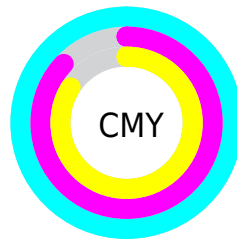
- Red (0%)
- Green (13%)
- Blue (16%)



- Red (0%)
- Yellow (7%)
- Blue (16%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (84%)



- Cyan (100%)
- Magenta (87%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002228 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 002228 by changing the saturation by 10% instead.

■ 002228

■ 002228

■ E6FFFF

■ 000A14

■ 2F4E55

■ 000000

■ 47666D

■ 5F7F87

■ 7999A1

■ 93B4BC

■ AED0D7

■ CAECF4

■ 002228

■ 042328

■ 082328

■ 0C2428

■ 102428

■ 142528

■ 182628

■ 1C2628

■ 202728

■ 242728

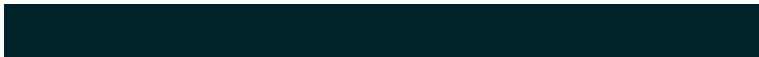
Harmonies

Analogous

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



042220



002228



07212D

Triad

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



002228



2A1824



221E0B

Complementary

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



002228



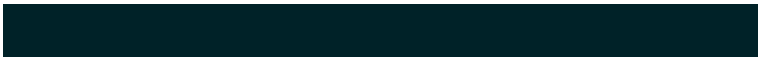
280600

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.



291B0D



002228



2E171C

Square

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



002228



221B2B



2D1914



182110

Rectangle

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



002228



111F2E



2D1914



241D0B

Sweetspot

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



002228



243133



002806



10181A



999999



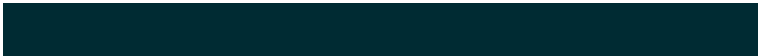
1A1A1A

Same Dimension

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



002228



002B33



000E28



121414



004854



00B4D4

Inverse Universe

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



280022



33002B



281A00



141214



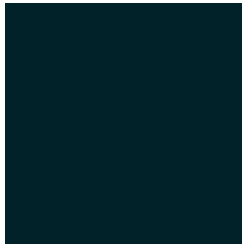
540048



D400B4

Previews

White Background



This preview shows how the Hex color 002228 looks on a white background.

Color Contrast Check

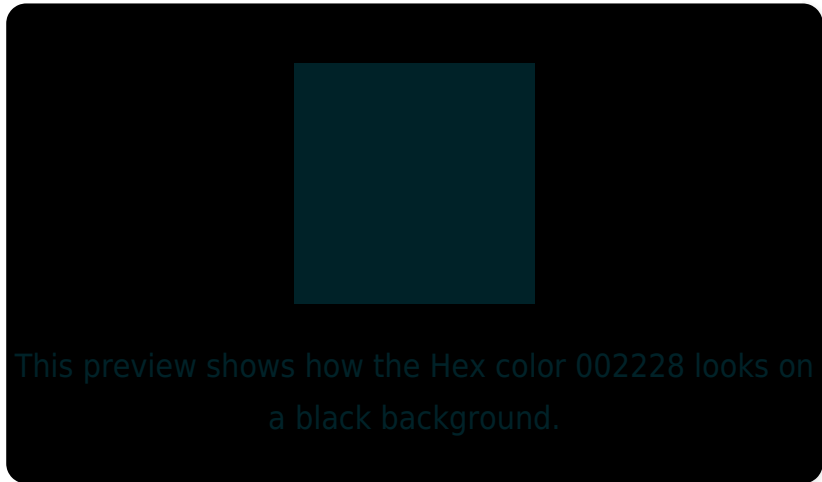
Large Text (above 18pt) WCAG AA ✓ Pass

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

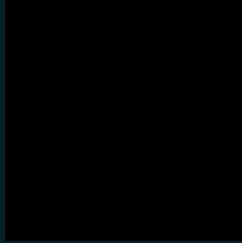
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

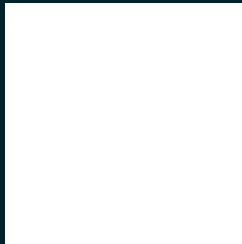
Any Text WCAG AAA × Fail

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

Hex 002228 Background



This preview shows how black text looks on a background with the Hex color 002228.

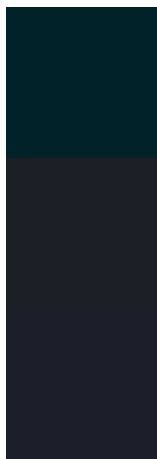


This preview shows how white text looks on a background with the Hex color 002228.

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
002228

Protanopia
1D1F26

Deuteranopia
1C1E29

Trichromacy



Original Color
002228

Protanomaly
122027

Deuteranomaly
121F29

Tritanomaly
002226

Monochromacy



Original Color
002228

Achromatopsia
191919

Achromatomaly
101C1E

CSS Examples

Text

The CSS property to change the color of the text to Hex 002228 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 #002228 looks like.

```
.text, #text, p{  
    color:#002228  
}
```

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 #002228 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002228
}
```

Border

The CSS property to change the border of an element to Hex 002228 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".

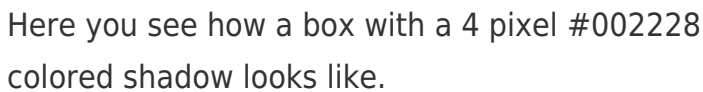
```
.border, #border, table{ border:4px solid
#002228 }
```

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

```
.border{ border-color:#002228 }
```

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

Here you see how a box with a 4 pixel #002228 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002228; -webkit-box-shadow:4px 4px  
4px 4px #002228; box-shadow:4px 4px 4px  
4px #002228 }
```

Background

The CSS property to change the background color of an element to Hex 002228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002228 }
```

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

```
.background{ background-color:#002228 }
```

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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