

Converting Colors

Hex(002D22)

Have a look what the booklet for
Hex(002D22) contains.

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Color

Hex(002D22)

Conversions

Conversions Part 1

Format	Color
Hex	002D22
RGB	0, 45, 34
RGB Percent	0%, 18%, 13%
CMY	1.0000, 0.8235, 0.8667
CMYK	1.00, 0.00, 0.24, 0.82
HSL	165°, 100%, 9%
HSV	165°, 100%, 18%
XYZ	1.2271, 1.9923, 1.8332
YIQ	30.2910, -23.2890, -12.9610

Conversions

Conversions Part 2

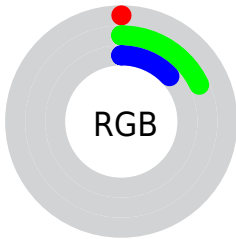
Format	Color
RYB	0, 26, 45
Decimal	11554
CIELab	15.45, -18.25, 2.96
CIELCh	15, 18.487, 170.794
Yxy	1.9923, 0.2429, 0.3943
Android (android.graphics.Color)	4278201634 (0xFF002D22)
YUV	30.2910, 1.8285, -26.5652
Hunter-Lab	14.1148, -9.1823, 2.1797

Details

The Hex color **002D22** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2D000B**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **315B4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002D22**, and if you desaturate by 10%, it is **042D23**.

Distribution



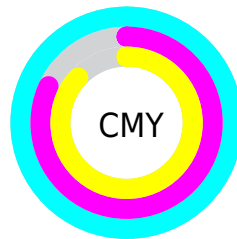
- Red (0%)
- Green (18%)
- Blue (13%)



- Red (0%)
- Yellow (10%)
- Blue (18%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (82%)



- Cyan (100%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002D22 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 002D22 by changing the saturation by 10% instead.

 002D22

 002D22

 E9FFFF

 001A0C

 315B4E

 000000

 497466

 628E7F

 7CA899

 96C3B4

 B1DFCF

 CDFCEC

 002D22

■ 042D23

■ 092D24

■ 0E2D25

■ 122D26

■ 172D28

■ 1B2D29

■ 202D2A

■ 242D2B

■ 292D2C

Harmonies

Analogous

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



162C16



002D22



002D2F

Triad

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



002D22



21253F



3B2013

Complementary

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



002D22



2D000B

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.



3F1C1E



002D22



332037

Square

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



002D22



032940



3D1C2B



32240B

Rectangle

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



002D22



002D37



3D1C2B



3D1E16

Sweetspot

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



002D22



293B36



0B2D00



141F1C



9E9E9E



1F1F1F

Same Dimension

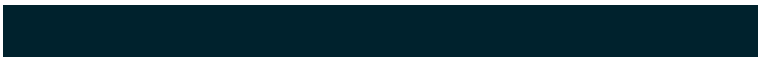
The Same Dimension uses a secret algorithm to generate beautiful new colors.



002D22



003B2C



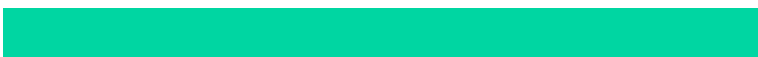
00222D



151716



005742



00D6A2

Inverse Universe

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



2D000B



3B000E



2D0B00



171515



570015



D60034

Previews

White Background



This preview shows how the Hex color 002D22 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

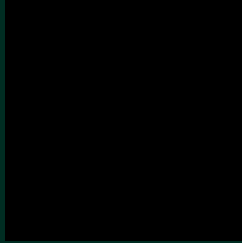
Any Text WCAG AA × Fail

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 002D22 Background



This preview shows how black text looks on a background with the Hex color 002D22.



This preview shows how white text looks on a background with the Hex color 002D22.

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
002D22

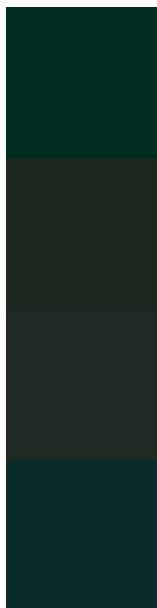
Protanopia
2A271F

Deuteranopia
2D2624



Tritanopia
0E2B2F

Trichromacy



Original Color

002D22

Protanomaly

1B2920

Deuteranomaly

1D2923

Tritanomaly

092C2A

Monochromacy



Original Color

002D22

Achromatopsia

1E1E1E

Achromatomaly

13231F

CSS Examples

Text

The CSS property to change the color of the text to Hex 002D22 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 #002D22 looks like.

```
.text, #text, p{  
    color:#002D22  
}
```

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 #002D22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002D22
}
```

Border

The CSS property to change the border of an element to Hex 002D22 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
#002D22 }
```

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

```
.border{ border-color:#002D22 }
```

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

Here you see how a box with a 4 pixel #002D22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002D22; -webkit-box-shadow:4px 4px  
4px 4px #002D22; box-shadow:4px 4px 4px  
4px #002D22 }
```

Background

The CSS property to change the background color of an element to Hex 002D22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002D22 }
```

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

```
.background{ background-color:#002D22 }
```

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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