

# Converting Colors

Hex(002D21)

Have a look what the booklet for  
Hex(002D21) contains.

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# Color

**Hex(002D21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002D21
RGB	0, 45, 33
RGB Percent	0%, 18%, 13%
CMY	1.0000, 0.8235, 0.8706
CMYK	1.00, 0.00, 0.27, 0.82
HSL	164°, 100%, 9%
HSV	164°, 100%, 18%
XYZ	1.2129, 1.9866, 1.7584
YIQ	30.1770, -22.9680, -13.2720

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 26, 45
Decimal	11553
CIELab	15.42, -18.57, 3.61
CIELCh	15, 18.923, 168.991
Yxy	1.9866, 0.2446, 0.4007
Android (android.graphics.Color)	4278201633 (0xFF002D21)
YUV	30.1770, 1.3917, -26.4652
Hunter-Lab	14.0946, -9.3049, 2.4695

# Details

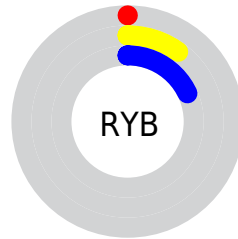
The Hex color **002D21** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2D000C**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **315B4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002D21**, and if you desaturate by 10%, it is **042D22**.

# Distribution



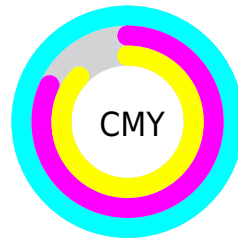
- Red (0%)
- Green (18%)
- Blue (13%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (82%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 002D21 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 002D21 by changing the saturation by 10% instead.



 002D21

 002D21

 E9FFFF

 001A0A

 315B4D

 000000

 497465

 628E7E

 7BA898

 96C3B3

 B1E0CE

 CDFCEA

 002D21

■ 042D22

■ 092D23

■ 0E2D25

■ 122D26

■ 172D27

■ 1B2D28

■ 202D29

■ 242D2B

■ 292D2C

# Harmonies

## Analogous

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



172B14



002D21



002D2F

# Triad

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



002D21



1F2540



3C1F13

# Complementary

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



002D21



2D000C

# 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.



401C1F



002D21



322038

# Square

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



002D21



002941



3D1C2C



33240A

# Rectangle

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



002D21



002D37



3D1C2C



3E1E16



# Sweetspot

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



002D21



293B36



0C2D00



141F1C



9E9E9E



1F1F1F



# Same Dimension

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



002D21



003B2B



00232D



151716



005740



00D69D



# Inverse Universe

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



2D000C



3B0010



2D0B00



171515



570017



D60039



# Previews

## White Background



This preview shows how the Hex color 002D21 looks on a white background.

## Color Contrast Check

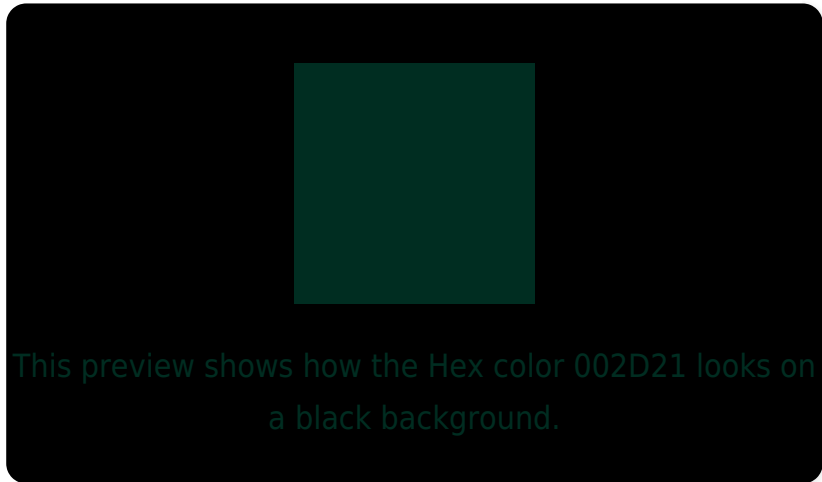
Large Text (above 18pt) WCAG AA ✓ Pass

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

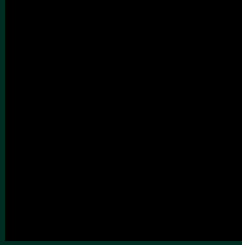
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002D21 Background



This preview shows how black text looks on a background with the Hex color 002D21.



This preview shows how white text looks on a background with the Hex color 002D21.

# 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**  
002D21

**Protanopia**  
2A271E

**Deuteranopia**  
2D2623



# Trichromacy



**Original Color**  
002D21

**Protanomaly**  
1B291F

**Deuteranomaly**  
1D2922

**Tritanomaly**  
0A2C2A

# Monochromacy



**Original Color**  
002D21

**Achromatopsia**  
1E1E1E

**Achromatomaly**  
13231F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002D21 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 #002D21 looks like.

```
.text, #text, p{  
    color:#002D21  
}
```

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 #002D21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002D21
}
```

## Border

The CSS property to change the border of an element to Hex 002D21 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
#002D21 }
```

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

```
.border{ border-color:#002D21 }
```

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

Here you see how a box with a 4 pixel #002D21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002D21; -webkit-box-shadow:4px 4px  
4px 4px #002D21; box-shadow:4px 4px 4px  
4px #002D21 }
```

# Background

The CSS property to change the background color of an element to Hex 002D21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002D21 }
```

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

```
.background{ background-color:#002D21 }
```

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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