

# Converting Colors

Hex(023D2F)

Have a look what the booklet for  
Hex(023D2F) contains.

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# Color

Hex(023D2F)

# Conversions

## Conversions Part 1

Format	Color
Hex	023D2F
RGB	2, 61, 47
RGB Percent	1%, 24%, 18%
CMY	0.9922, 0.7608, 0.8157
CMYK	0.97, 0.00, 0.23, 0.76
HSL	166°, 94%, 12%
HSV	166°, 97%, 24%
XYZ	2.2069, 3.5556, 3.2593
YIQ	41.7630, -30.6700, -16.8620

# Conversions

## Conversions Part 2

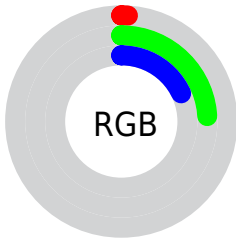
Format	Color
<a href="#">RYB</a>	<a href="#">2, 35, 61</a>
Decimal	<a href="#">146735</a>
CIELab	<a href="#">22.14, -21.77, 3.67</a>
CIELCh	<a href="#">22, 22.079, 170.440</a>
Yxy	<a href="#">3.5556, 0.2446, 0.3941</a>
Android (android.graphics.Color)	<a href="#">4278336815 (0xFF023D2F)</a>
YUV	<a href="#">41.7630, 2.5818, -34.8722</a>
Hunter-Lab	<a href="#">18.8564, -12.1078, 2.9512</a>

# Details

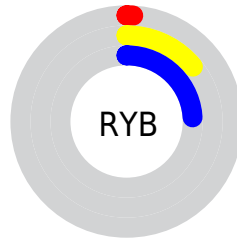
The Hex color **023D2F** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3D0210**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **396D5D**, and **000E00** is the 20% darker color. If you saturate the color by 10%, you get **003D2F**, and if you desaturate by 10%, it is **083D30**.

# Distribution



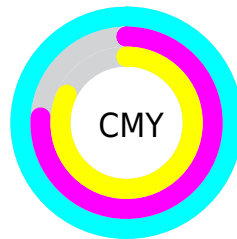
- Red (1%)
- Green (24%)
- Blue (18%)



- Red (1%)
- Yellow (14%)
- Blue (24%)



- Cyan (97%)
- Magenta (0%)
- Yellow (23%)
- Black (76%)



- Cyan (99%)
- Magenta (76%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 023D2F 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 023D2F by changing the saturation by 10% instead.



 023D2F

 023D2F

 F5FFFF

 00271A

 396D5D

 000E00

 528775

 000000

 6BA18F

 85BCA9

 A0D8C5

 BCF4E1

 D8FFFD

 023D2F

 023D2F

■ 003D2F

■ 083D30

■ 0E3D32

■ 143D33

■ 1A3D35

■ 213D36

■ 273D38

■ 2D3D39

■ 333D3B

■ 393D3C

# Harmonies

## Analogous

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



213B1F



023D2F



003D40

# Triad

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



023D2F



2E3354



4F2C1C

# Complementary

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



023D2F



3D0210

# 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.



54282A



023D2F



442C4A

# Square

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



023D2F



073855



51283B



433214

# Rectangle

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



023D2F



003C4A



51283B



512A21



# Sweetspot

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



023D2F



384F4A



113D02



1B2925



A8A8A8



292929



# Same Dimension

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



023D2F



004F3C



022E3D



1C1F1E



005E48



00DEA9



# Inverse Universe

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



3D0210



4F0013



3D1102



1F1C1C



5E0016

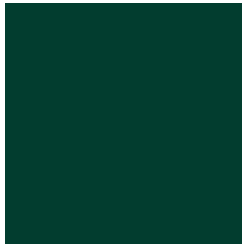


DE0035



# Previews

## White Background



This preview shows how the Hex color 023D2F looks on a white background.

## Color Contrast Check

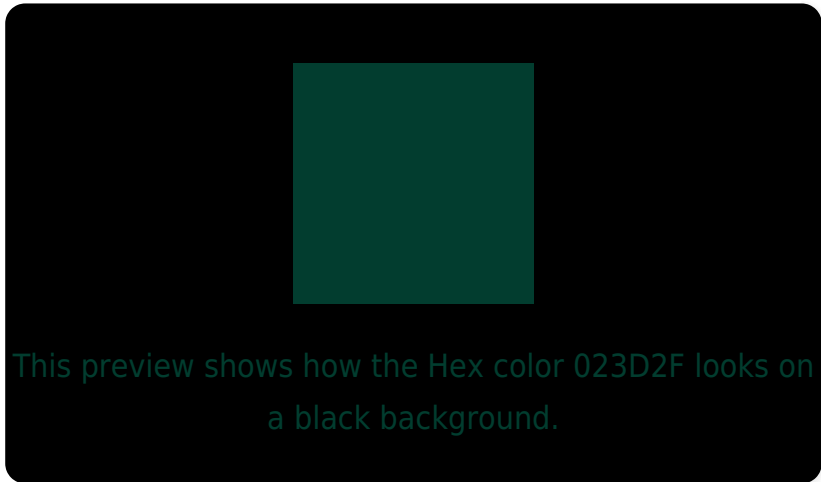
Large Text (above 18pt) WCAG AA ✓ Pass

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

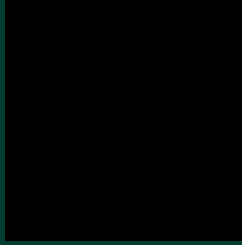
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 023D2F Background



This preview shows how black text looks on a background with the Hex color 023D2F.



This preview shows how white text looks on a background with the Hex color 023D2F.

# 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**  
023D2F

**Protanopia**  
39352B

**Deuteranopia**  
3C3431



**Tritanopia**  
133B40

# Trichromacy



**Original Color**  
023D2F

**Protanomaly**  
25382C

**Deuteranomaly**  
273730

**Tritanomaly**  
0D3C3A

# Monochromacy



**Original Color**  
023D2F

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1B312C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 023D2F 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 #023D2F looks like.

```
.text, #text, p{  
    color:#023D2F  
}
```

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 #023D2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #023D2F
}
```

## Border

The CSS property to change the border of an element to Hex 023D2F 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
#023D2F }
```

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

```
.border{ border-color:#023D2F }
```

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

Here you see how a box with a 4 pixel #023D2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #023D2F; -webkit-box-shadow:4px 4px  
4px 4px #023D2F; box-shadow:4px 4px 4px  
4px #023D2F }
```

# Background

The CSS property to change the background color of an element to Hex 023D2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#023D2F }
```

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

```
.background{ background-color:#023D2F }
```

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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