

# Converting Colors

Hex(022D23)

Have a look what the booklet for  
Hex(022D23) contains.

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# Color

**Hex(022D23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	022D23
RGB	2, 45, 35
RGB Percent	1%, 18%, 14%
CMY	0.9922, 0.8235, 0.8627
CMYK	0.96, 0.00, 0.22, 0.82
HSL	166°, 91%, 9%
HSV	166°, 96%, 18%
XYZ	1.2668, 2.0110, 1.9115
YIQ	31.0030, -22.4180, -12.2260

# Conversions

## Conversions Part 2

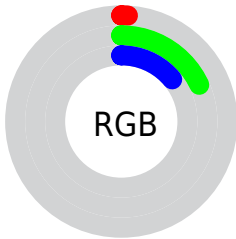
Format	Color
<a href="#">RYB</a>	<a href="#">2, 26, 45</a>
Decimal	<a href="#">142627</a>
CIELab	<a href="#">15.55, -17.42, 2.41</a>
CIELCh	<a href="#">16, 17.588, 172.131</a>
Yxy	<a href="#">2.0110, 0.2441, 0.3875</a>
Android (android.graphics.Color)	<a href="#">4278332707</a> ( <a href="#">0xFF022D23</a> )
YUV	<a href="#">31.0030, 1.9705, -25.4356</a>
Hunter-Lab	<a href="#">14.1811, -8.8715, 1.9349</a>

# Details

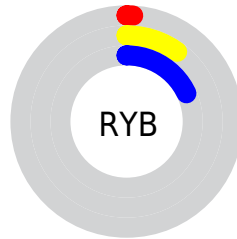
The Hex color **022D23** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2D020C**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **335B4F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002D23**, and if you desaturate by 10%, it is **062D24**.

# Distribution



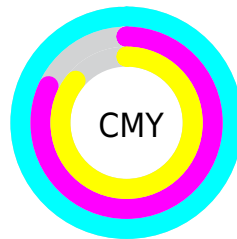
- Red (1%)
- Green (18%)
- Blue (14%)



- Red (1%)
- Yellow (10%)
- Blue (18%)



- Cyan (96%)
- Magenta (0%)
- Yellow (22%)
- Black (82%)



- Cyan (99%)
- Magenta (82%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 022D23 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 022D23 by changing the saturation by 10% instead.



022D23

022D23

EBFFFF

001A0D

335B4F

000000

4B7467

648E80

7DA89A

98C3B5

B3DFD1

CEFCEB

022D23

022D23

■ 002D23

■ 062D24

■ 0B2D25

■ 102D26

■ 142D27

■ 192D28

■ 1D2D29

■ 222D2A

■ 262D2B

■ 2B2D2C

# Harmonies

## Analogous

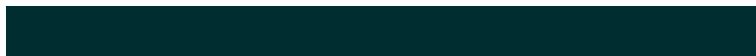
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



172C17



022D23



002D30

# Triad

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



022D23



23253E



3A2014

# Complementary

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



022D23



2D020C

# 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.



3E1D1E



022D23



332036

# Square

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



022D23



09293F



3C1D2B



31250D

# Rectangle

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



022D23



002C37



3C1D2B



3C1F17



# Sweetspot

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



022D23



2A3B37



0C2D02



141F1C



9E9E9E



1F1F1F



# Same Dimension

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



022D23



003B2D



02222D



151716



005743



00D6A4



# Inverse Universe

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



2D020C



3B000E



2D0D02



171515



570014

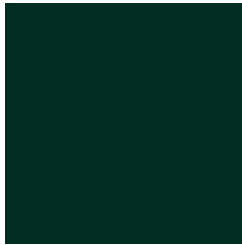


D60032



# Previews

## White Background



This preview shows how the Hex color 022D23 looks on a white background.

## Color Contrast Check

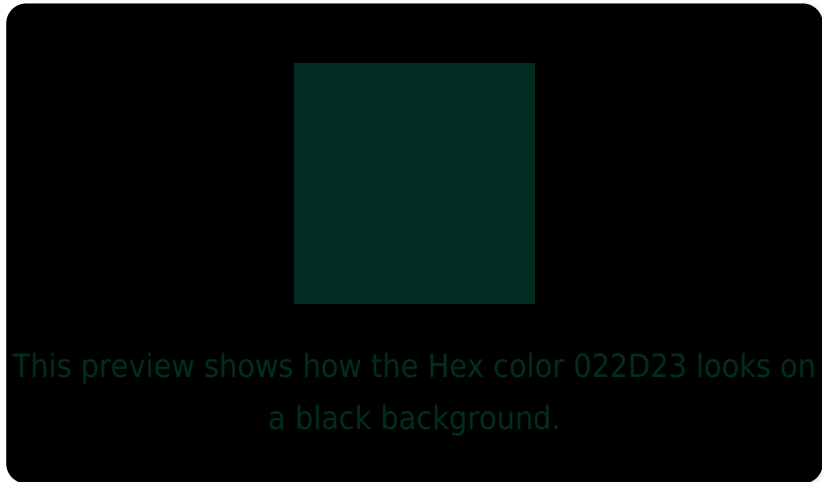
Large Text (above 18pt) WCAG AA ✓ Pass

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

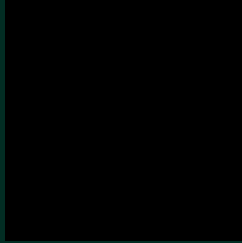
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 022D23 Background



This preview shows how black text looks on a background with the Hex color 022D23.



This preview shows how white text looks on a background with the Hex color 022D23.

# 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](#).

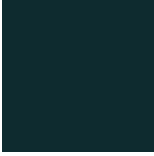
## Dichromacy



**Original Color**  
022D23

**Protanopia**  
2A2720

**Deuteranopia**  
2C2625



**Tritanopia**  
0E2B2F

# Trichromacy



**Original Color**  
022D23

**Protanomaly**  
1B2921

**Deuteranomaly**  
1D2924

**Tritanomaly**  
0A2C2B

# Monochromacy



**Original Color**  
022D23

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
142420

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 022D23 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 #022D23 looks like.

```
.text, #text, p{  
    color:#022D23  
}
```

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 #022D23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #022D23
}
```

## Border

The CSS property to change the border of an element to Hex 022D23 is called "border". The border property can be set on classes, ids or directly on the HTML element.

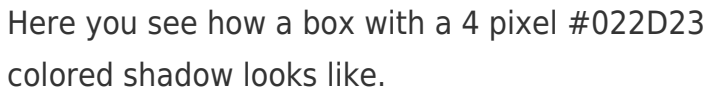
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#022D23 }
```

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

```
.border{ border-color:#022D23 }
```

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



Here you see how a box with a 4 pixel #022D23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #022D23; -webkit-box-shadow:4px 4px  
4px 4px #022D23; box-shadow:4px 4px 4px  
4px #022D23 }
```

# Background

The CSS property to change the background color of an element to Hex 022D23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#022D23 }
```

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

```
.background{ background-color:#022D23 }
```

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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