

# Converting Colors

Hex(023E2E)

Have a look what the booklet for  
Hex(023E2E) contains.

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# Color

**Hex(023E2E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	023E2E
RGB	2, 62, 46
RGB Percent	1%, 24%, 18%
CMY	0.9922, 0.7569, 0.8196
CMYK	0.97, 0.00, 0.26, 0.76
HSL	164°, 94%, 13%
HSV	164°, 97%, 24%
XYZ	2.2408, 3.6554, 3.1722
YIQ	42.2360, -30.6240, -17.6960

# Conversions

## Conversions Part 2

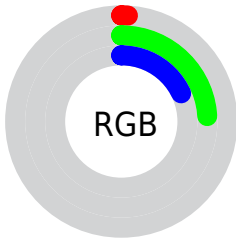
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 37, 62
Decimal	146990
CIE Lab	22.50, -22.57, 4.83
CIE LCh	22, 23.081, 167.909
Yxy	3.6554, 0.2471, 0.4031
Android (android.graphics.Color)	4278337070 (0xFF023E2E)
YUV	42.2360, 1.8557, -35.2870
Hunter-Lab	19.1191, -12.5379, 3.5460

# Details

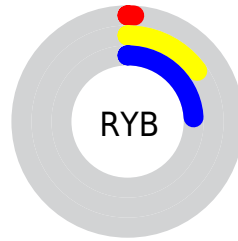
The Hex color **023E2E** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3E0212**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **396E5C**, and **001000** is the 20% darker color. If you saturate the color by 10%, you get **003E2D**, and if you desaturate by 10%, it is **083E30**.

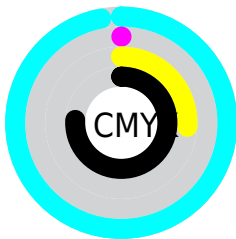
# Distribution



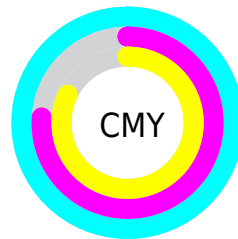
- Red (1%)
- Green (24%)
- Blue (18%)



- Red (1%)
- Yellow (15%)
- Blue (24%)



- Cyan (97%)
- Magenta (0%)
- Yellow (26%)
- Black (76%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 023E2E 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 023E2E by changing the saturation by 10% instead.



 023E2E

 023E2E

 F5FFFF

 002819

 396E5C

 001000

 528874

 000000

 6CA28E

 86BDA8

 A1D9C3

 BCF6DF

 D8FFFC

 023E2E

 023E2E

■ 003E2D

■ 083E30

■ 0E3E31

■ 153E33

■ 1B3E35

■ 213E36

■ 273E38

■ 2D3E3A

■ 343E3B

■ 3A3E3D

# Harmonies

## Analogous

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



223C1E



023E2E



003E40

# Triad

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



023E2E



2C3456



512C1D

# Complementary

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



023E2E



3E0212

# 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.



56282C



023E2E



442D4D

# Square

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



023E2E



003A57



52283D



463213

# Rectangle

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



023E2E



003E4A



52283D



542A22



# Sweetspot

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



023E2E



3A524B



123E02



1B2925



A8A8A8



292929



# Same Dimension

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



023E2E



00523C



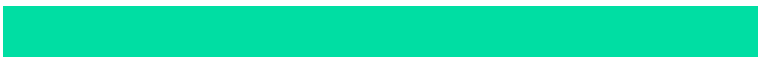
02303E



1C1F1E



005E45



00DEA3



# Inverse Universe

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



3E0212



520016



3E1002



1F1C1C



5E0019



DE003B



# Previews

## White Background



This preview shows how the Hex color 023E2E 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

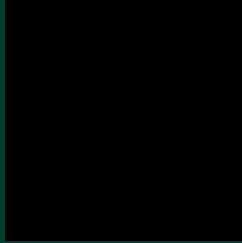
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 023E2E Background



This preview shows how black text looks on a background with the Hex color 023E2E.



This preview shows how white text looks on a background with the Hex color 023E2E.

# 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](#).

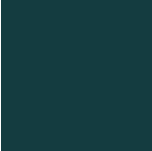
## Dichromacy



**Original Color**  
023E2E

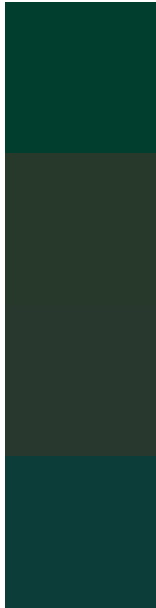
**Protanopia**  
3A362A

**Deuteranopia**  
3E3430



**Tritanopia**  
143C40

# Trichromacy



**Original Color**  
023E2E

**Protanomaly**  
26392B

**Deuteranomaly**  
28382F

**Tritanomaly**  
0D3D39

# Monochromacy



**Original Color**  
023E2E

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1B312B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 023E2E 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 #023E2E looks like.

```
.text, #text, p{  
    color:#023E2E  
}
```

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 #023E2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #023E2E
}
```

## Border

The CSS property to change the border of an element to Hex 023E2E 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
#023E2E }
```

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

```
.border{ border-color:#023E2E }
```

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

Here you see how a box with a 4 pixel #023E2E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #023E2E; -webkit-box-shadow:4px 4px  
4px 4px #023E2E; box-shadow:4px 4px 4px  
4px #023E2E }
```

# Background

The CSS property to change the background color of an element to Hex 023E2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#023E2E }
```

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

```
.background{ background-color:#023E2E }
```

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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