

# Converting Colors

Hex(023E10)

Have a look what the booklet for  
Hex(023E10) contains.

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# Color

**Hex(023E10)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	023E10
RGB	2, 62, 16
RGB Percent	1%, 24%, 6%
CMY	0.9922, 0.7569, 0.9373
CMYK	0.97, 0.00, 0.74, 0.76
HSL	134°, 94%, 13%
HSV	134°, 97%, 24%
XYZ	1.8412, 3.4956, 1.0679
YIQ	38.8160, -20.9940, -27.0260

# Conversions

## Conversions Part 2

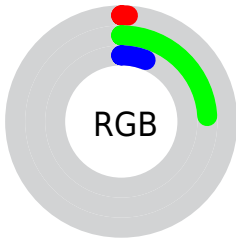
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 51, 62
Decimal	146960
CIE <sub>Lab</sub>	21.93, -29.20, 22.58
CIE <sub>LCh</sub>	22, 36.914, 142.282
Yxy	3.4956, 0.2875, 0.5458
Android (android.graphics.Color)	4278337040 (0xFF023E10)
YUV	38.8160, -11.2483, -32.2876
Hunter-Lab	18.6964, -15.1404, 9.7010

# Details

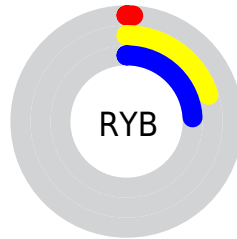
The Hex color **023E10** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3E0230**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **396E3C**, and **000D00** is the 20% darker color. If you saturate the color by 10%, you get **003E0E**, and if you desaturate by 10%, it is **083E15**.

# Distribution



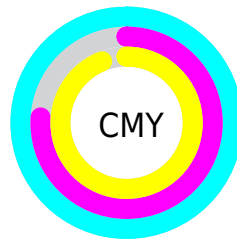
- Red (1%)
- Green (24%)
- Blue (6%)



- Red (1%)
- Yellow (20%)
- Blue (24%)



- Cyan (97%)
- Magenta (0%)
- Yellow (74%)
- Black (76%)



- Cyan (99%)
- Magenta (76%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 023E10 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 023E10 by changing the saturation by 10% instead.



 023E10

 023E10

 F6FFF4

 002800

 396E3C

 000D00

 528854

 000000

 6CA36C

 86BE86

 A1DAA0

 BDF6BB

 D9FFD7

 023E10

 023E10

■ 003E0E

■ 083E15

■ 0E3E1A

■ 153E1E

■ 1B3E23

■ 213E28

■ 273E2D

■ 2D3E31

■ 343E36

■ 3A3E3B

# Harmonies

## Analogous

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



2E3900



023E10



00402C

# Triad

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



023E10



003A6B



641922

# Complementary

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



023E10



3E0230

# 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.



61173D



023E10



233068

# Square

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



023E10



003F60



4E2356



5A2506

# Rectangle

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



023E10



00413F



4E2356



65162A



# Sweetspot

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



023E10



3A523F



303E02



1B291E



A8A8A8



292929



# Same Dimension

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



023E10



005213



023E2E



1C1F1C



005E16



00DE34



# Inverse Universe

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



3E0230



52003F



3E0212



1F1C1E



5E0048



DE00AA



# Previews

## White Background



This preview shows how the Hex color 023E10 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

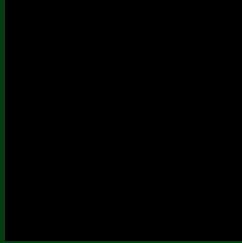
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 023E10 Background



This preview shows how black text looks on a background with the Hex color 023E10.



This preview shows how white text looks on a background with the Hex color 023E10.

# 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**  
023E10

**Protanopia**  
3C350E

**Deuteranopia**  
423215



**Tritanopia**  
1A3A3F

# Trichromacy



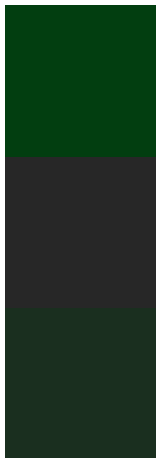
**Original Color**  
023E10

**Protanomaly**  
27380F

**Deuteranomaly**  
2B3613

**Tritanomaly**  
113B2E

# Monochromacy



**Original Color**  
023E10

**Achromatopsia**  
272727

**Achromatomaly**  
1A2F1F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 023E10 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 #023E10 looks like.

```
.text, #text, p{  
    color:#023E10  
}
```

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 #023E10 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #023E10
}
```

## Border

The CSS property to change the border of an element to Hex 023E10 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
#023E10 }
```

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

```
.border{ border-color:#023E10 }
```

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

Here you see how a box with a 4 pixel #023E10 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #023E10; -webkit-box-shadow:4px 4px  
4px 4px #023E10; box-shadow:4px 4px 4px  
4px #023E10 }
```

# Background

The CSS property to change the background color of an element to Hex 023E10 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#023E10 }
```

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

```
.background{ background-color:#023E10 }
```

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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