

Converting Colors

Hex(023238)

Have a look what the booklet for
Hex(023238) contains.

Hex(023238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(023238)

Conversions

Conversions Part 1

Format	Color
Hex	023238
RGB	2, 50, 56
RGB Percent	1%, 20%, 22%
CMY	0.9922, 0.8039, 0.7804
CMYK	0.96, 0.11, 0.00, 0.78
HSL	187°, 93%, 11%
HSV	187°, 96%, 22%
XYZ	1.8794, 2.5796, 4.1402
YIQ	36.3320, -30.5340, -8.3100

Conversions

Conversions Part 2

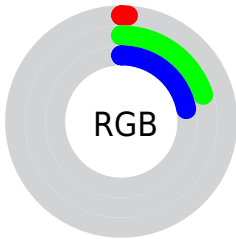
Format	Color
R_YB	2, 27, 56
Decimal	143928
CIE Lab	18.27, -12.53, -8.16
CIE LCh	18, 14.952, 213.072
Yxy	2.5796, 0.2186, 0.3000
Android (android.graphics.Color)	4278334008 (0xFF023238)
YUV	36.3320, 9.6963, -30.1092
Hunter-Lab	16.0612, -7.2195, -4.0408

Details

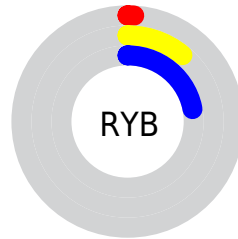
The Hex color **023238** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **380802**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **376067**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **003238**, and if you desaturate by 10%, it is **083338**.

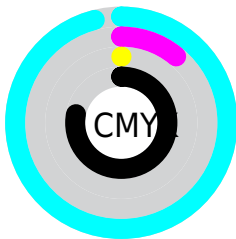
Distribution



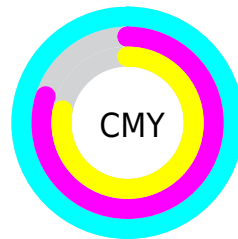
- Red (1%)
- Green (20%)
- Blue (22%)



- Red (1%)
- Yellow (11%)
- Blue (22%)



- Cyan (96%)
- Magenta (11%)
- Yellow (0%)
- Black (78%)



- Cyan (99%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 023238 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 023238 by changing the saturation by 10% instead.

 023238

 023238

 F2FFFF

 001D23

 376067

 00000C

 507980

 000000

 69939A

 83AEB5

 9EC9D0

 BAE5EC

 D6FFFF

 023238

 023238

■ 003238

■ 083338

■ 0D3338

■ 133438

■ 183438

■ 1E3538

■ 243638

■ 293638

■ 2F3738

■ 343838

Harmonies

Analogous

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



0B322D



023238



0C3040

Triad

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



023238



3B2637



332C17

Complementary

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



023238



380802

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.



3C291A



023238



41242C

Square

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



023238



2F293F



412521



272F1A

Rectangle

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



023238



192E42



412521



362B17

Sweetspot

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



023238



35484A



023807



192526



A6A6A6



262626

Same Dimension

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



023238



00424A



021838



191C1C



00525C



00C3DB

Inverse Universe

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



380232



4A0042



382202



1C191C



5C0052



DB00C3

Previews

White Background



This preview shows how the Hex color 023238 looks on a white background.

Color Contrast Check

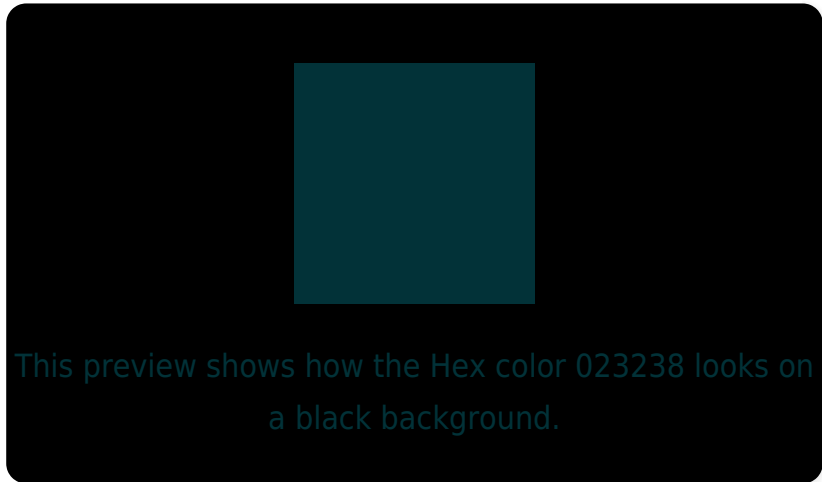
Large Text (above 18pt) WCAG AA ✓ Pass

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

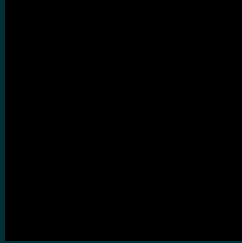
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

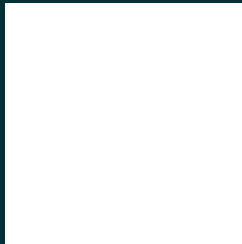
Any Text WCAG AAA × Fail

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

Hex 023238 Background



This preview shows how black text looks on a background with the Hex color 023238.

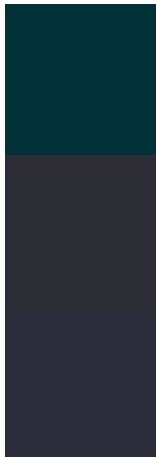


This preview shows how white text looks on a background with the Hex color 023238.

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

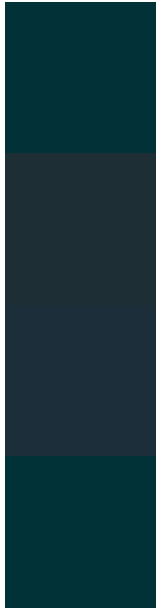


Original Color
023238

Protanopia
2C2D34

Deuteranopia
2B2C39

Trichromacy



Original Color
023238

Protanomaly
1D2F35

Deuteranomaly
1C2E39

Tritanomaly
013237

Monochromacy



Original Color
023238

Achromatopsia
242424

Achromatomaly
18292B

CSS Examples

Text

The CSS property to change the color of the text to Hex 023238 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 #023238 looks like.

```
.text, #text, p{  
    color:#023238  
}
```

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 #023238 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #023238
}
```

Border

The CSS property to change the border of an element to Hex 023238 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
#023238 }
```

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

```
.border{ border-color:#023238 }
```

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

Here you see how a box with a 4 pixel #023238 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #023238; -webkit-box-shadow:4px 4px  
4px 4px #023238; box-shadow:4px 4px 4px  
4px #023238 }
```

Background

The CSS property to change the background color of an element to Hex 023238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#023238 }
```

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

```
.background{ background-color:#023238 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor