

Converting Colors

Hex(002838)

Have a look what the booklet for
Hex(002838) contains.

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Color

Hex(002838)

Conversions

Conversions Part 1

Format	Color
Hex	002838
RGB	0, 40, 56
RGB Percent	0%, 16%, 22%
CMY	1.0000, 0.8431, 0.7804
CMYK	1.00, 0.29, 0.00, 0.78
HSL	197°, 100%, 11%
HSV	197°, 100%, 22%
XYZ	1.4726, 1.8031, 4.0118
YIQ	29.8640, -28.9760, -3.5040

Conversions

Conversions Part 2

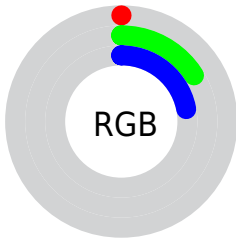
Format	Color
RYB	0, 23, 56
Decimal	10296
CIELab	14.42, -6.46, -14.11
CIELCh	14, 15.517, 245.380
Yxy	1.8031, 0.2021, 0.2474
Android (android.graphics.Color)	4278200376 (0xFF002838)
YUV	29.8640, 12.8850, -26.1907
Hunter-Lab	13.4280, -3.9235, -8.3141

Details

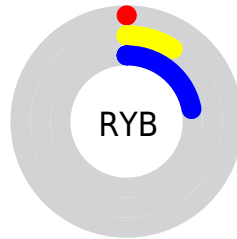
The Hex color **002838** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **381000**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **345567**, and **00000B** is the 20% darker color. If you saturate the color by 10%, you get **002838**, and if you desaturate by 10%, it is **062A38**.

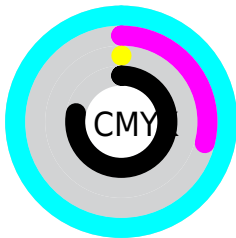
Distribution



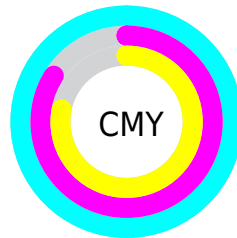
- Red (0%)
- Green (16%)
- Blue (22%)



- Red (0%)
- Yellow (9%)
- Blue (22%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (78%)



- Cyan (100%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002838 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 002838 by changing the saturation by 10% instead.

 002838

 002838

 EFFFFFF

 001423

 345567

 00000B

 4D6D80

 000000

 66879A

 80A1B5

 9BBCD0

 B6D7ED

 D2F4FF

 002838

■ 062A38

■ 0B2B38

■ 112D38

■ 162E38

■ 1C3038

■ 223238

■ 273338

■ 2D3538

■ 323638

Harmonies

Analogous

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



002A31



002838



17253A

Triad

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



002838



391C23



1E2812

Complementary

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



002838



381000

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.



2A240D



002838



381D18

Square

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



002838



341D2E



332110



10291B

Rectangle

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



002838



232238



332110



222710

Sweetspot

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



002838



34444A



003810



182226



A6A6A6



262626

Same Dimension

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



002838



00354A



000C38



191B1C



00425C



009DDB

Inverse Universe

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



380028



4A0035



382C00



1C191B



5C0042



DB009D

Previews

White Background



This preview shows how the Hex color 002838 looks on a white background.

Color Contrast Check

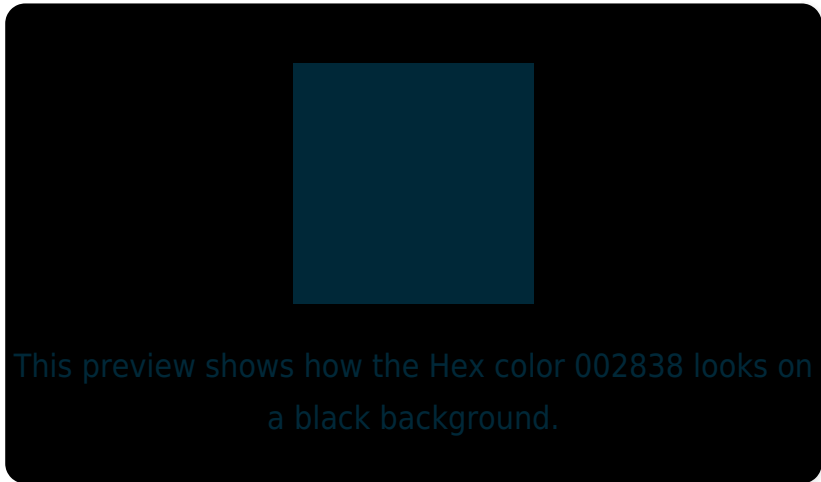
Large Text (above 18pt) WCAG AA ✓ Pass

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

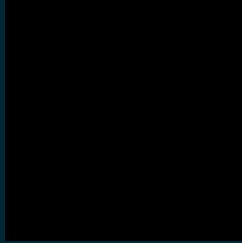
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

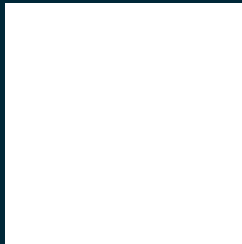
Any Text WCAG AAA × Fail

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

Hex 002838 Background



This preview shows how black text looks on a background with the Hex color 002838.



This preview shows how white text looks on a background with the Hex color 002838.

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
002838

Protanopia
202535

Deuteranopia
1C2539



Tritanopia
00292D

Trichromacy



Original Color
002838

Protanomaly
142636

Deuteranomaly
122639

Tritanomaly
002931

Monochromacy



Original Color
002838

Achromatopsia
1E1E1E

Achromatomaly
132227

CSS Examples

Text

The CSS property to change the color of the text to Hex 002838 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 #002838 looks like.

```
.text, #text, p{  
    color:#002838  
}
```

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 #002838 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002838
}
```

Border

The CSS property to change the border of an element to Hex 002838 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
#002838 }
```

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

```
.border{ border-color:#002838 }
```

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

Here you see how a box with a 4 pixel #002838 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002838; -webkit-box-shadow:4px 4px  
4px 4px #002838; box-shadow:4px 4px 4px  
4px #002838 }
```

Background

The CSS property to change the background color of an element to Hex 002838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002838 }
```

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

```
.background{ background-color:#002838 }
```

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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