

Converting Colors

Hex(012B2B)

Have a look what the booklet for
Hex(012B2B) contains.

Hex(012B2B)	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(012B2B)

Conversions

Conversions Part 1

Format	Color
Hex	012B2B
RGB	1, 43, 43
RGB Percent	0%, 17%, 17%
CMY	0.9961, 0.8314, 0.8314
CMYK	0.98, 0.00, 0.00, 0.83
HSL	180°, 95%, 9%
HSV	180°, 98%, 17%
XYZ	1.3124, 1.9086, 2.5847
YIQ	30.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

Format	Color
R_{YB}	1, 22, 43
Decimal	76587
CIE Lab	15.00, -13.67, -4.03
CIE LCh	15, 14.249, 196.433
Yxy	1.9086, 0.2261, 0.3287
Android (android.graphics.Color)	4278266667 (0xFF012B2B)
YUV	30.4420, 6.1911, -25.8206
Hunter-Lab	13.8153, -7.2195, -1.4220

Details

The Hex color **012B2B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2B0101**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **325958**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002B2B**, and if you desaturate by 10%, it is **052B2B**.

Distribution



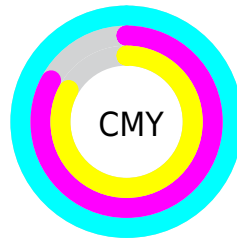
- Red (0%)
- Green (17%)
- Blue (17%)



- Red (0%)
- Yellow (9%)
- Blue (17%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (83%)



- Cyan (100%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Hex color 012B2B 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 012B2B by changing the saturation by 10% instead.

012B2B

012B2B

EBFFFF

001817

325958

000000

4B7171

648B8A

7DA5A4

98C0C0

B3DCDB

CFF9F8

012B2B

012B2B

■ 002B2B

■ 052B2B

■ 0A2B2B

■ 0E2B2B

■ 122B2B

■ 172B2B

■ 1B2B2B

■ 1F2B2B

■ 232B2B

■ 282B2B

Harmonies

Analogous

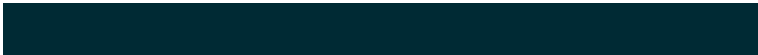
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0E2B21



012B2B



002A34

Triad

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



012B2B



2E2134



302312

Complementary

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



012B2B



2B0101

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.



372018



012B2B



361E2B

Square

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



012B2B



202539



391E20



272712

Rectangle

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



012B2B



082938



391E20



332213

Sweetspot

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



012B2B



283838



012B01



121C1C



9C9C9C



1C1C1C

Same Dimension

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



012B2B



003838



01162B



121414



005454



00D4D4

Inverse Universe

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



2B012B



380038



2B1601



141214



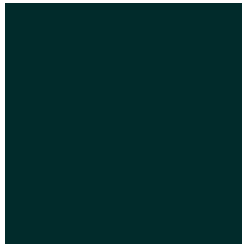
540054



D400D4

Previews

White Background



This preview shows how the Hex color 012B2B looks on a white background.

Color Contrast Check

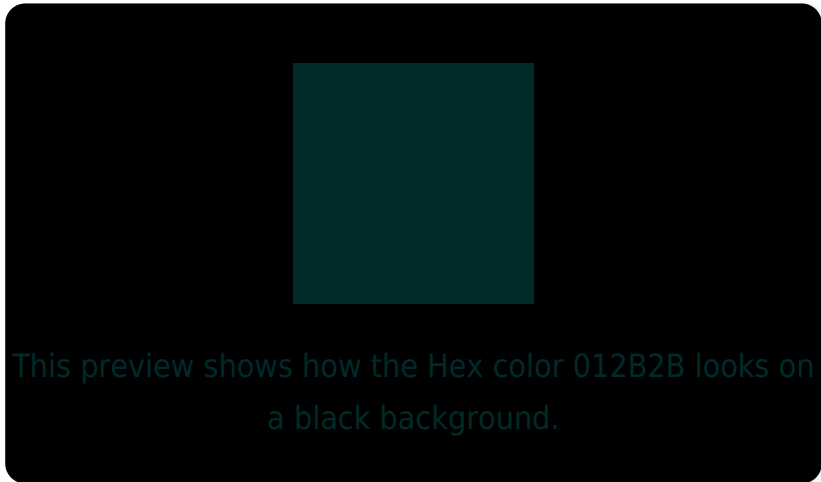
Large Text (above 18pt) WCAG AA ✓ Pass

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

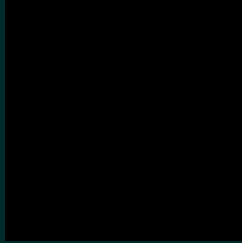
Any Text WCAG AA × Fail

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 012B2B Background



This preview shows how black text looks on a background with the Hex color 012B2B.



This preview shows how white text looks on a background with the Hex color 012B2B.

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
012B2B

Protanopia
272628

Deuteranopia
27252C



Tritanopia
082B2E

Trichromacy



Original Color

012B2B

Protanomaly

192829

Deuteranomaly

19272C

Tritanomaly

052B2D

Monochromacy



Original Color

012B2B

Achromatopsia

1E1E1E

Achromatomaly

132323

CSS Examples

Text

The CSS property to change the color of the text to Hex 012B2B 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 #012B2B looks like.

```
.text, #text, p{  
    color:#012B2B  
}
```

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 #012B2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #012B2B
}
```

Border

The CSS property to change the border of an element to Hex 012B2B 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".

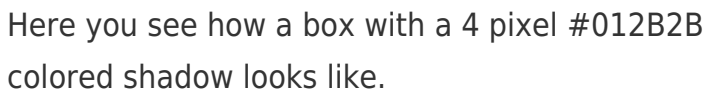
```
.border, #border, table{ border:4px solid
#012B2B }
```

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

```
.border{ border-color:#012B2B }
```

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

Here you see how a box with a 4 pixel #012B2B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #012B2B; -webkit-box-shadow:4px 4px  
4px 4px #012B2B; box-shadow:4px 4px 4px  
4px #012B2B }
```

Background

The CSS property to change the background color of an element to Hex 012B2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#012B2B }
```

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

```
.background{ background-color:#012B2B }
```

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