

Converting Colors

Hex(04312A)

Have a look what the booklet for
Hex(04312A) contains.

Hex(04312A)	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(04312A)

Conversions

Conversions Part 1

Format	Color
Hex	04312A
RGB	4, 49, 42
RGB Percent	2%, 19%, 16%
CMY	0.9843, 0.8078, 0.8353
CMYK	0.92, 0.00, 0.14, 0.81
HSL	171°, 85%, 10%
HSV	171°, 92%, 19%
XYZ	1.5663, 2.3896, 2.5692
YIQ	34.7470, -24.5730, -11.7170

Conversions

Conversions Part 2

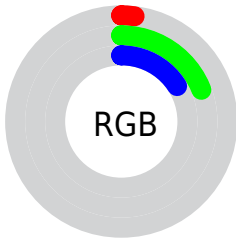
Format	Color
RYB	4, 28, 49
Decimal	274730
CIELab	17.41, -16.78, 0.24
CIELCh	17, 16.781, 179.173
Yxy	2.3896, 0.2400, 0.3662
Android (android.graphics.Color)	4278464810 (0xFF04312A)
YUV	34.7470, 3.5757, -26.9651
Hunter-Lab	15.4583, -8.9658, 0.9669

Details

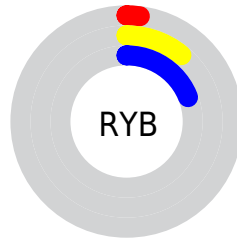
The Hex color **04312A** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **31040B**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **366057**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **003129**, and if you desaturate by 10%, it is **09312B**.

Distribution



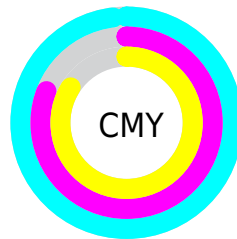
- Red (2%)
- Green (19%)
- Blue (16%)



- Red (2%)
- Yellow (11%)
- Blue (19%)



- Cyan (92%)
- Magenta (0%)
- Yellow (14%)
- Black (81%)



- Cyan (98%)
- Magenta (81%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 04312A 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 04312A by changing the saturation by 10% instead.


 04312A

 04312A

 EFFFFFF

 001D16

 366057

 000000

 4E7870

 679289

 81ADA3

 9CC8BE

 B7E4DA

 D3FFF6

 04312A

 04312A

■ 003129

■ 09312B

■ 0E312C

■ 13312C

■ 18312D

■ 1C312E

■ 21312F

■ 26312F

■ 2B3130

■ 303131

Harmonies

Analogous

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



18301E



04312A



003136

Triad

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



04312A



2B2840



3C2616

Complementary

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



04312A



31040B

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.



412220



04312A



392337

Square

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



04312A



172C43



41212C



332A12

Rectangle

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



04312A



00303D



41212C



3E2419

Sweetspot

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



04312A



2E403D



0B3104



16211F



A1A1A1



212121

Same Dimension

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



04312A



004036



042231



171A19



00594B



00D9B7

Inverse Universe

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



31040B



40000A



311304



1A1717



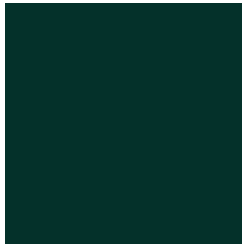
59000E



D90022

Previews

White Background



This preview shows how the Hex color 04312A looks on a white background.

Color Contrast Check

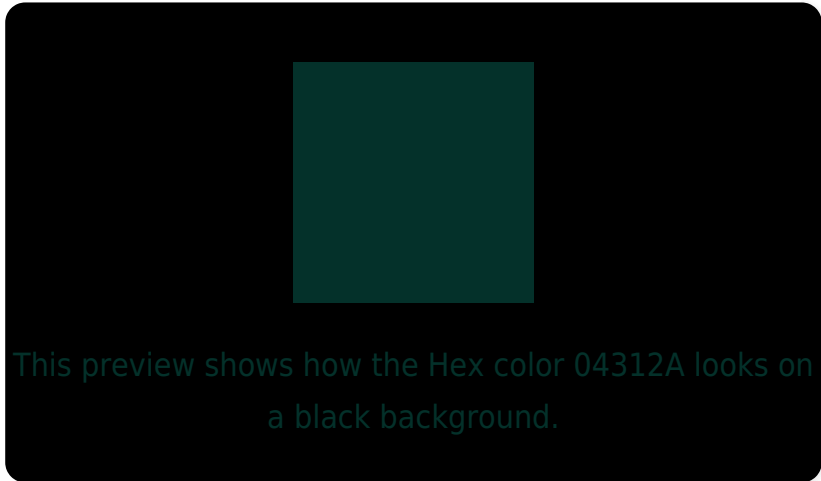
Large Text (above 18pt) WCAG AA ✓ Pass

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

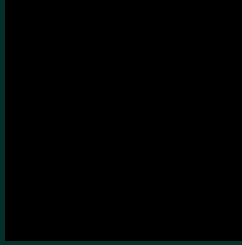
Any Text WCAG AA × Fail

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 04312A Background



This preview shows how black text looks on a background with the Hex color 04312A.



This preview shows how white text looks on a background with the Hex color 04312A.

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
04312A

Protanopia
2D2B27

Deuteranopia
2F2A2C



Tritanopia
0E3034

Trichromacy



Original Color
04312A

Protanomaly
1E2D28

Deuteranomaly
1F2D2B

Tritanomaly
0A3030

Monochromacy



Original Color
04312A

Achromatopsia
232323

Achromatomaly
182826

CSS Examples

Text

The CSS property to change the color of the text to Hex 04312A 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 #04312A looks like.

```
.text, #text, p{  
    color:#04312A  
}
```

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 #04312A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #04312A
}
```

Border

The CSS property to change the border of an element to Hex 04312A 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
#04312A }
```

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

```
.border{ border-color:#04312A }
```

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

Here you see how a box with a 4 pixel #04312A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #04312A; -webkit-box-shadow:4px 4px  
4px 4px #04312A; box-shadow:4px 4px 4px  
4px #04312A }
```

Background

The CSS property to change the background color of an element to Hex 04312A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#04312A }
```

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

```
.background{ background-color:#04312A }
```

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