Converting Colors

Hex(002300)

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Color

Hex(002300)

Conversions

Conversions Part 1

Format	Color
Hex	002300
RGB	0, 35, 0
RGB Percent	0%, 14%, 0%
CMY	1.0000, 0.8627, 1.0000
CMYK	1.00, 0.00, 1.00, 0.86
HSL	120°, 100%, 7%
HSV	120°, 100%, 14%
XYZ	0.6010, 1.2021, 0.2003
YIQ	20.5450, -9.6250, -18.3050

Conversions

Conversions Part 2

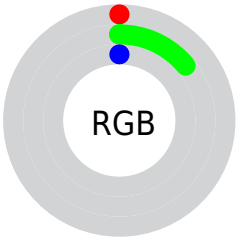
Format	Color
RYB	0, 35, 35
Decimal	8960
CIELab	10.57, -20.95, 15.36
CIELCh	11, 25.980, 143.748
Yxy	1.2021, 0.3000, 0.6000
Android (android.graphics.Color)	4278199040 (0xFF002300)
YUV	20.5450, -10.1287, -18.0180
Hunter-Lab	10.9639, -9.4015, 6.5913

Details

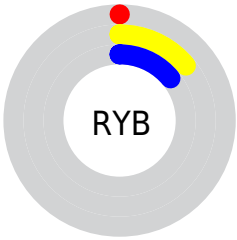
The Hex color 002300 is a dark color, and the websafe version is hex 003300. A complement of this color would be 230023, and the grayscale version is 151515.

A 20% lighter version of the original color is 2C502F, and 000000 is the 20% darker color. If you saturate the color by 10%, you get 002300, and if you desaturate by 10%, it is 032303.

Distribution

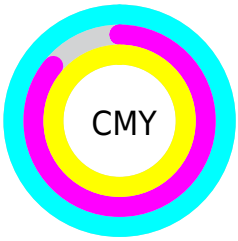


- Red (0%)
- Green (14%)
- Blue (0%)



- Red (0%)
- Yellow (14%)
- Blue (14%)

- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (86%)



- Cyan (100%)
- Magenta (86%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002300 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 002300 by changing the saturation by 10% instead.

002300

E2FFE2

2C502F

436846

5C825E

759C76

8FB790

AAD2AB

C5EFC6

002300

002300

000400

000000

002300

032303

072307

0B230B

0E230E

122312

152315

192319

1C231C

202320

Harmonies

Analogous

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

182000

002300

002518

Triad

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

002300

002040

3B0B0E

Complementary

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

002300

230023

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.

3A0921

002300

141A3D

Square

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

002300

002339

2E1132

351300

Rectangle

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

002300

002524

2E1132

3C0915

Sweetspot

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

002300

202E20

232300

0F170F

969696

171717

Same Dimension

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

002300

002E00

002312

101210

005200

00D100

Inverse Universe

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

230023

2E002E

230012

121012

520052

D100D1

Previews

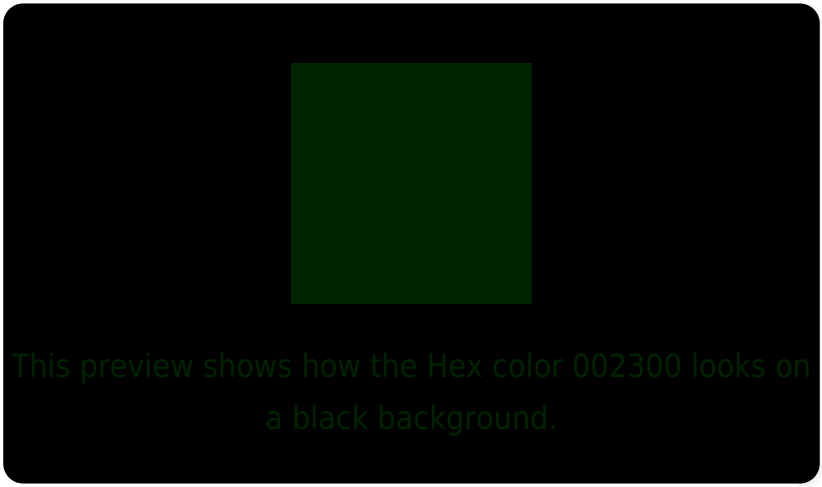
White Background

This preview shows how the Hex color 002300 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 002300 Background

This preview shows how black text looks on a background with the Hex color 002300.

This preview shows how white text looks on a background with the Hex color 002300.

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
002300

Protanopia
221E00

Deuteranopia
261C08

Tritanopia
0F2123

Trichromacy

Original Color
002300

Protanomaly
162000

Deuteranomaly
181F05

Tritanomaly
0A2216

Monochromacy

Original Color
002300

Achromatopsia
151515

Achromatomaly
0D1A0D

CSS Examples

Text

The CSS property to change the color of the text to Hex 002300 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 #002300 looks like.

```
.text, #text, p{
    color:#002300
}
```

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 #002300 colored shadow looks like.

Here you see how black text with a 4 pixel #002300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002300
}
```

Border

The CSS property to change the border of an element to Hex 002300 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
#002300 }
```

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

```
.border{ border-color:#002300 }
```

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

Here you see how a box with a 4 pixel #002300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px #002300; -webkit-box-shadow:4px 4px 4px 4px #002300; box-shadow:4px 4px 4px 4px #002300 }
```

Background

The CSS property to change the background color of an element to Hex 002300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:#002300 }
```

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

```
.background{ background-color:#002300 }
```

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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