

# Converting Colors

Hex(0C2300)

Have a look what the booklet for  
Hex(0C2300) contains.

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# Color

**Hex(0C2300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0C2300
RGB	12, 35, 0
RGB Percent	5%, 14%, 0%
CMY	0.9529, 0.8627, 1.0000
CMYK	0.66, 0.00, 1.00, 0.86
HSL	99°, 100%, 7%
HSV	99°, 100%, 14%
XYZ	0.7527, 1.2802, 0.2074
YIQ	24.1330, -2.4730, -15.7610

# Conversions

## Conversions Part 2

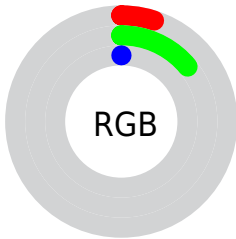
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 35, 23</a>
Decimal	<a href="#">795392</a>
CIELab	<a href="#">11.14, -17.17, 16.23</a>
CIELCh	<a href="#">11, 23.630, 136.606</a>
Yxy	<a href="#">1.2802, 0.3360, 0.5714</a>
Android (android.graphics.Color)	<a href="#">4278985472 (0xFF0C2300)</a>
YUV	<a href="#">24.1330, -11.8976, -10.6406</a>
Hunter-Lab	<a href="#">11.3147, -7.9270, 6.8333</a>

# Details

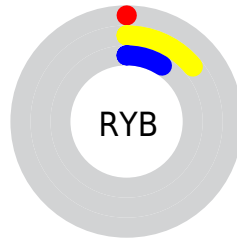
The Hex color **0C2300** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **170023**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **36502F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0C2300**, and if you desaturate by 10%, it is **0E2303**.

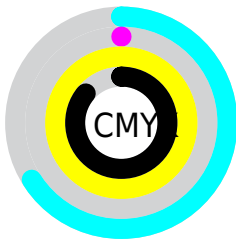
# Distribution



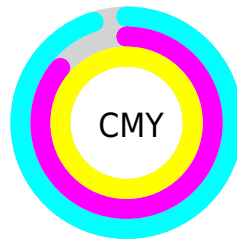
- Red (5%)
- Green (14%)
- Blue (0%)



- Red (0%)
- Yellow (14%)
- Blue (9%)



- Cyan (66%)
- Magenta (0%)
- Yellow (100%)
- Black (86%)



- Cyan (95%)
- Magenta (86%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C2300 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 0C2300 by changing the saturation by 10% instead.



 0C2300

 0C2300

 ECFFE2

 000800

 36502F

 000000

 4D6846

 66815E

 7F9B76

 99B690

 B4D2AB

 D0EEC6

 0C2300

■ 0E2303

■ 112307

■ 13230B

■ 15230E

■ 182312

■ 1A2315

■ 1C2319

■ 1E231C

■ 212320

# Harmonies

## Analogous

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



1E2000



0C2300



002516

# Triad

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



0C2300



00223D



3B0E15

# Complementary

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



0C2300



170023

# 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.



370F26



0C2300



0E1D3D

# Square

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



0C2300



002435



2A1534



371300

# Rectangle

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



0C2300



002521



2A1534



3A0D1B



# Sweetspot

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



0C2300



252E20



231700



12170F



969696



171717



# Same Dimension

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



0C2300



102E00



002305



111210



1C5200



48D100



# Inverse Universe

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



170023



1E002E



23001E



111012



360052

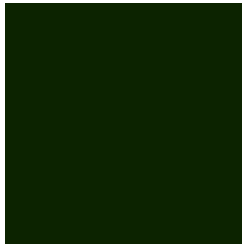


8900D1



# Previews

## White Background



This preview shows how the Hex color 0C2300 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

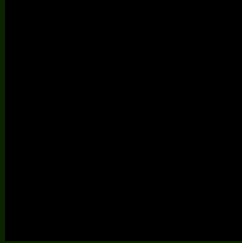
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0C2300 Background



This preview shows how black text looks on a background with the Hex color 0C2300.



This preview shows how white text looks on a background with the Hex color 0C2300.

# 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**  
0C2300

**Protanopia**  
221E00

**Deuteranopia**  
261D07



**Tritanopia**  
122123

# Trichromacy



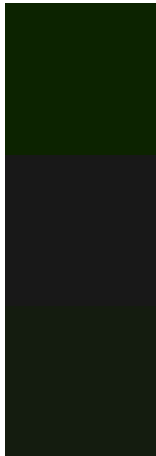
**Original Color**  
0C2300

**Protanomaly**  
1A2000

**Deuteranomaly**  
1D1F04

**Tritanomaly**  
102216

# Monochromacy



**Original Color**  
0C2300

**Achromatopsia**  
181818

**Achromatomaly**  
141C0F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C2300 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 #0C2300 looks like.

```
.text, #text, p{  
    color:#0C2300  
}
```

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 #0C2300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C2300
}
```

## Border

The CSS property to change the border of an element to Hex 0C2300 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
#0C2300 }
```

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

```
.border{ border-color:#0C2300 }
```

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

Here you see how a box with a 4 pixel #0C2300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C2300; -webkit-box-shadow:4px 4px  
4px 4px #0C2300; box-shadow:4px 4px 4px  
4px #0C2300 }
```

# Background

The CSS property to change the background color of an element to Hex 0C2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C2300 }
```

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

```
.background{ background-color:#0C2300 }
```

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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