

# Converting Colors

Hex(0B2022)

Have a look what the booklet for  
Hex(0B2022) contains.

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# Color

Hex(0B2022)

# Conversions

## Conversions Part 1

Format	Color
Hex	0B2022
RGB	11, 32, 34
RGB Percent	4%, 13%, 13%
CMY	0.9569, 0.8745, 0.8667
CMYK	0.68, 0.06, 0.00, 0.87
HSL	185°, 51%, 9%
HSV	185°, 68%, 13%
XYZ	0.9433, 1.2197, 1.6991
YIQ	25.9490, -13.1580, -3.8300

# Conversions

## Conversions Part 2

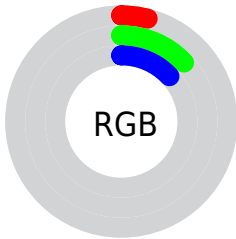
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	11, 22, 34
Decimal	729122
CIE Lab	10.70, -7.64, -3.94
CIE LCh	11, 8.601, 207.271
Yxy	1.2197, 0.2442, 0.3158
Android (android.graphics.Color)	4278919202 (0xFF0B2022)
YUV	25.9490, 3.9691, -13.1103
Hunter-Lab	11.0438, -4.0810, -1.3910

# Details

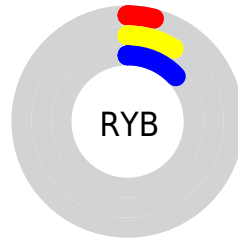
The Hex color **0B2022** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **220D0B**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **374C4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **082022**, and if you desaturate by 10%, it is **0E2022**.

# Distribution



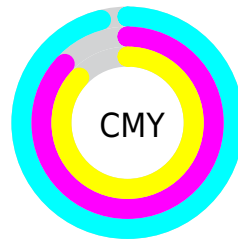
- Red (4%)
- Green (13%)
- Blue (13%)



- Red (4%)
- Yellow (9%)
- Blue (13%)



- Cyan (68%)
- Magenta (6%)
- Yellow (0%)
- Black (87%)



- Cyan (96%)
- Magenta (87%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B2022 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 0B2022 by changing the saturation by 10% instead.



■ 0B2022

■ 0B2022

■ EDFFFF

■ 00050C

■ 374C4E

■ 000000

■ 4E6466

■ 667D7F

■ 809799

■ 9AB1B4

■ B5CDCF

■ D0E9EC

■ 0B2022

■ 0B2022

■ 082022

■ 0E2022

■ 041F22

■ 122122

■ 011F22

■ 152122

■ 001F22

■ 192122

■ 1C2122

■ 1F2222

■ 232222

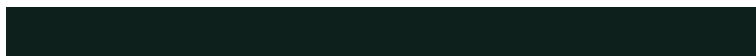
■ 262222

■ 2A2322

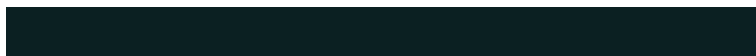
# Harmonies

## Analogous

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



0E201C



0B2022



0D1F26

# Triad

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



0B2022



241A23



221C11

# Complementary

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



0B2022



220D0B

# 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.



261A13



0B2022



28191E

# Square

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



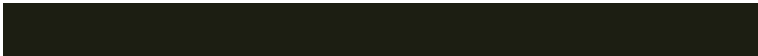
0B2022



1D1C27



291918



1C1E12

# Rectangle

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



0B2022



121E28



291918



231C11



# Sweetspot

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



0B2022



232B2B



0B220D



111617



969696



171717



# Same Dimension

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



0B2022



08282B



0B1522



101212



004B52



00BFD1



# Inverse Universe

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



220B20



2B0828



22180B



121012



52004B

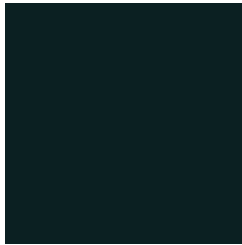


D100BF



# Previews

## White Background



This preview shows how the Hex color 0B2022 looks on a white background.

## Color Contrast Check

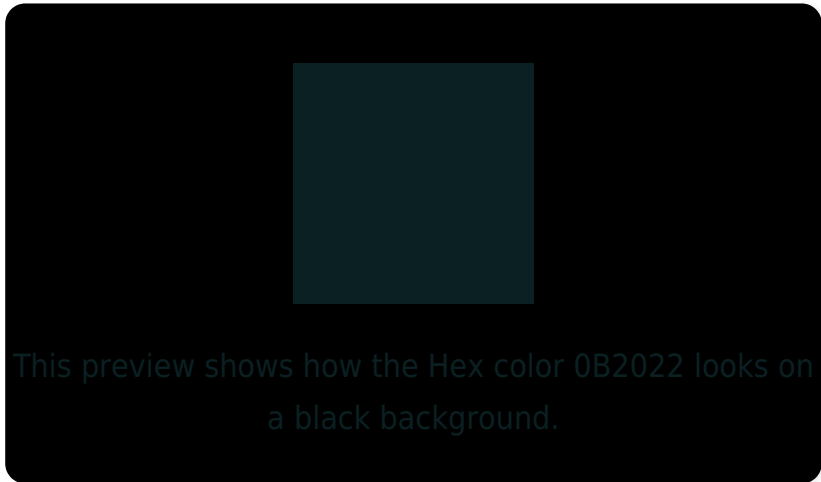
Large Text (above 18pt) WCAG AA ✓ Pass

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

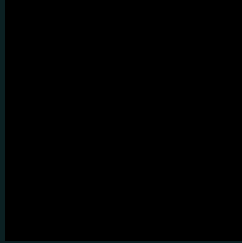
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

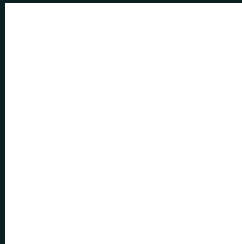
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0B2022 Background



This preview shows how black text looks on a background with the Hex color 0B2022.



This preview shows how white text looks on a background with the Hex color 0B2022.

# 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



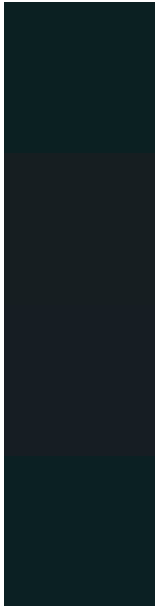
**Original Color**  
0B2022

**Protanopia**  
1D1D20

**Deuteranopia**  
1D1C23



# Trichromacy



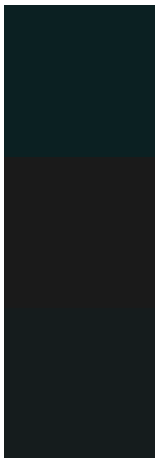
**Original Color**  
0B2022

**Protanomaly**  
161E21

**Deuteranomaly**  
161D23

**Tritanomaly**  
0B2023

# Monochromacy



**Original Color**  
0B2022

**Achromatopsia**  
1A1A1A

**Achromatomaly**  
151C1D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B2022 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 #0B2022 looks like.

```
.text, #text, p{  
    color:#0B2022  
}
```

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 #0B2022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B2022
}
```

## Border

The CSS property to change the border of an element to Hex 0B2022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

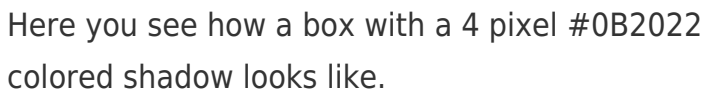
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0B2022 }
```

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

```
.border{ border-color:#0B2022 }
```

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



Here you see how a box with a 4 pixel #0B2022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B2022; -webkit-box-shadow:4px 4px  
4px 4px #0B2022; box-shadow:4px 4px 4px  
4px #0B2022 }
```

# Background

The CSS property to change the background color of an element to Hex 0B2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B2022 }
```

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

```
.background{ background-color:#0B2022 }
```

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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