

# Converting Colors

Hex(0B3231)

Have a look what the booklet for  
Hex(0B3231) contains.

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# Color

**Hex(0B3231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0B3231
RGB	11, 50, 49
RGB Percent	4%, 20%, 19%
CMY	0.9569, 0.8039, 0.8078
CMYK	0.78, 0.00, 0.02, 0.80
HSL	178°, 64%, 12%
HSV	178°, 78%, 20%
XYZ	1.8330, 2.5741, 3.3060
YIQ	38.2250, -22.9230, -8.5790

# Conversions

## Conversions Part 2

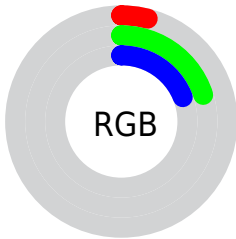
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 31, 50
Decimal	733745
CIE <sub>Lab</sub>	18.25, -13.55, -3.34
CIE <sub>LCh</sub>	18, 13.953, 193.856
Yxy	2.5741, 0.2376, 0.3337
Android (android.graphics.Color)	4278923825 (0xFF0B3231)
YUV	38.2250, 5.3121, -23.8763
Hunter-Lab	16.0440, -7.6838, -0.9863

# Details

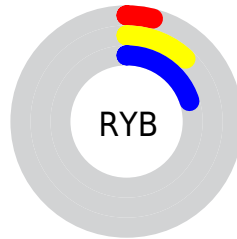
The Hex color **0B3231** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **320B0C**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **3C615F**, and **000001** is the 20% darker color. If you saturate the color by 10%, you get **063231**, and if you desaturate by 10%, it is **103231**.

# Distribution



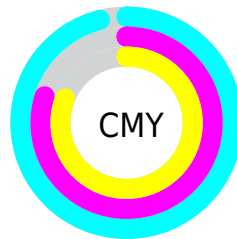
- Red (4%)
- Green (20%)
- Blue (19%)



- Red (4%)
- Yellow (12%)
- Blue (20%)



- Cyan (78%)
- Magenta (0%)
- Yellow (2%)
- Black (80%)



- Cyan (96%)
- Magenta (80%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B3231 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 0B3231 by changing the saturation by 10% instead.



 0B3231

 0B3231

 F5FFFF

 001D1C

 3C615F

 000001

 547978

 000000

 6D9391

 87AEAC

 A1C9C7

 BDE5E3

 D9FFFF

 0B3231

 0B3231

■ 063231

■ 103231

■ 013231

■ 153231

■ 003231

■ 1A3231

■ 1F3232

■ 243232

■ 293232

■ 2E3232

■ 333232

■ 383232

# Harmonies

## Analogous

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



173227



0B3231



08313A

# Triad

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



0B3231



34283B



382A19

# Complementary

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



0B3231



320B0C

# 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.



3E271F



0B3231



3D2532

# Square

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



0B3231



262C40



402528



2F2D19

# Rectangle

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



0B3231



10303E



402528



3B291B



# Sweetspot

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



0B3231



31403F



0C320B



182121



A1A1A1



212121



# Same Dimension

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



0B3231



04403E



0B2032



171A19



005957



00D9D3



# Inverse Universe

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



320B0C



400405



321D0B



1A1717



590002

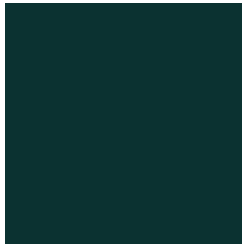


D90006



# Previews

## White Background



This preview shows how the Hex color 0B3231 looks on a white background.

## Color Contrast Check

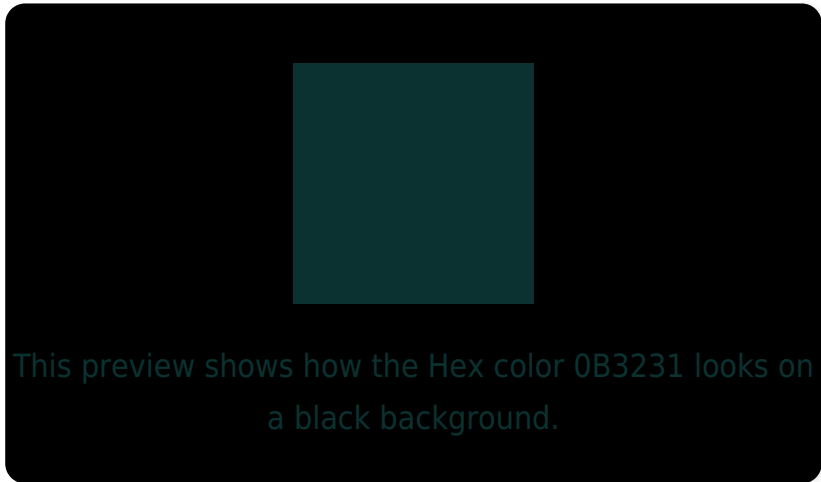
Large Text (above 18pt) WCAG AA ✓ Pass

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

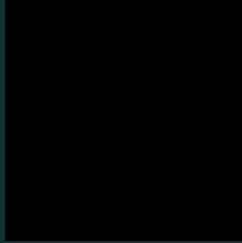
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0B3231 Background



This preview shows how black text looks on a background with the Hex color 0B3231.



This preview shows how white text looks on a background with the Hex color 0B3231.

# 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**  
0B3231

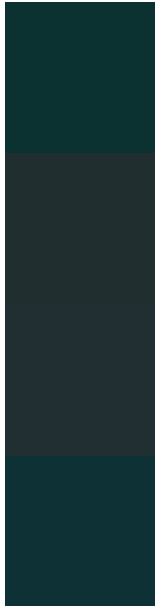
**Protanopia**  
2D2C2E

**Deuteranopia**  
2E2C32



**Tritanopia**  
0E3135

# Trichromacy



**Original Color**  
0B3231

**Protanomaly**  
212E2F

**Deuteranomaly**  
212E32

**Tritanomaly**  
0D3134

# Monochromacy



**Original Color**  
0B3231

**Achromatopsia**  
262626

**Achromatomaly**  
1C2A2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B3231 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 #0B3231 looks like.

```
.text, #text, p{  
    color:#0B3231  
}
```

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 #0B3231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B3231
}
```

## Border

The CSS property to change the border of an element to Hex 0B3231 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
#0B3231 }
```

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

```
.border{ border-color:#0B3231 }
```

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

Here you see how a box with a 4 pixel #0B3231 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B3231; -webkit-box-shadow:4px 4px  
4px 4px #0B3231; box-shadow:4px 4px 4px  
4px #0B3231 }
```

# Background

The CSS property to change the background color of an element to Hex 0B3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B3231 }
```

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

```
.background{ background-color:#0B3231 }
```

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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