

# Converting Colors

Hex(0C3837)

Have a look what the booklet for  
Hex(0C3837) contains.

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# Color

Hex(0C3837)

# Conversions

## Conversions Part 1

Format	Color
Hex	0C3837
RGB	12, 56, 55
RGB Percent	5%, 22%, 22%
CMY	0.9529, 0.7804, 0.7843
CMYK	0.79, 0.00, 0.02, 0.78
HSL	179°, 65%, 13%
HSV	179°, 79%, 22%
XYZ	2.2554, 3.1823, 4.1098
YIQ	42.7300, -25.9030, -9.6390

# Conversions

## Conversions Part 2

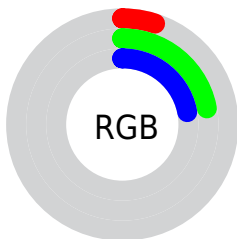
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	12, 34, 56
Decimal	800823
CIE <sub>Lab</sub>	20.76, -14.77, -3.71
CIE <sub>LCh</sub>	21, 15.226, 194.102
Yxy	3.1823, 0.2362, 0.3333
Android (android.graphics.Color)	4278990903 (0xFF0C3837)
YUV	42.7300, 6.0491, -26.9502
Hunter-Lab	17.8391, -8.6509, -1.1720

# Details

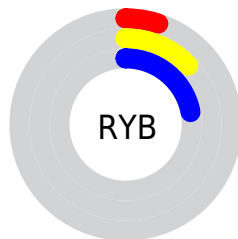
The Hex color **0C3837** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **380C0D**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **3E6766**, and **00060C** is the 20% darker color. If you saturate the color by 10%, you get **063837**, and if you desaturate by 10%, it is **123837**.

# Distribution



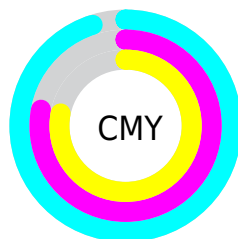
- Red (5%)
- Green (22%)
- Blue (22%)



- Red (5%)
- Yellow (13%)
- Blue (22%)



- Cyan (79%)
- Magenta (0%)
- Yellow (2%)
- Black (78%)



- Cyan (95%)
- Magenta (78%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C3837 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 0C3837 by changing the saturation by 10% instead.



 0C3837

 0C3837

 F9FFFF

 002222

 3E6766

 00060C

 57807F

 000000

 709A99

 8AB5B3

 A5D1CF

 C0EDEB

 DDFFFF

 0C3837

 0C3837

■ 063837

■ 123837

■ 013837

■ 173837

■ 003837

■ 1D3837

■ 223838

■ 283838

■ 2E3838

■ 333838

■ 393838

■ 3E3838

# Harmonies

## Analogous

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



1A382B



0C3837



093741

# Triad

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



0C3837



3A2D42



3F2F1D

# Complementary

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



0C3837



380C0D

# 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.



462C23



0C3837



442A38

# Square

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



0C3837



2B3148



48292D



34331C

# Rectangle

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



0C3837



123646



48292D



412E1E



# Sweetspot

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



0C3837



384A4A



0D380C



1B2626



A6A6A6



262626



# Same Dimension

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



0C3837



044A48



0C2338



191C1C



005C5A



00DBD6



# Inverse Universe

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



380C0D



4A0406



38210C



1C1919



5C0002

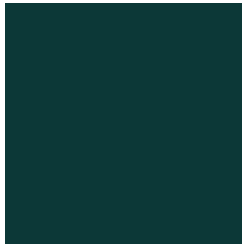


DB0005



# Previews

## White Background



This preview shows how the Hex color 0C3837 looks on a white background.

## Color Contrast Check

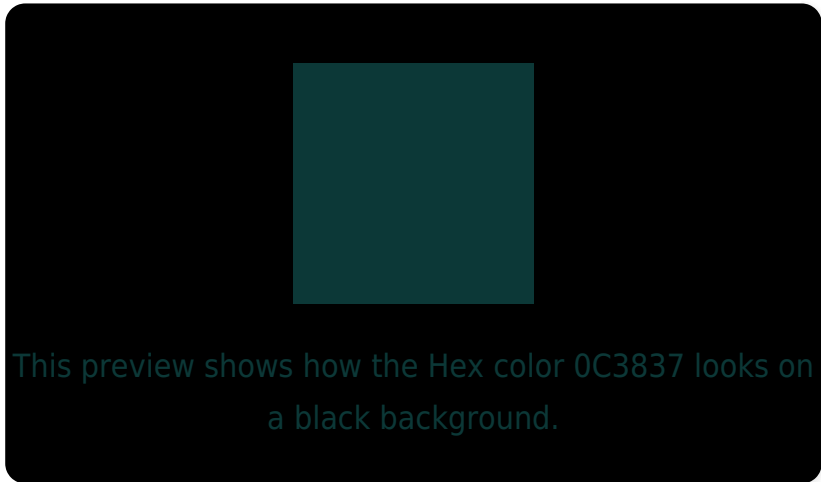
Large Text (above 18pt) WCAG AA ✓ Pass

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

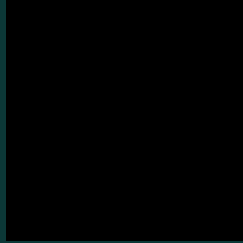
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

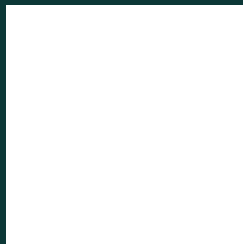
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0C3837 Background



This preview shows how black text looks on a background with the Hex color 0C3837.



This preview shows how white text looks on a background with the Hex color 0C3837.

# 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**  
0C3837

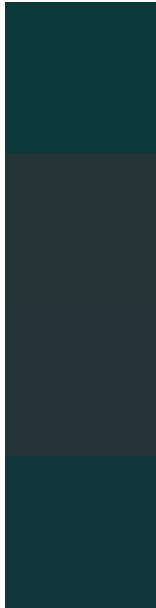
**Protanopia**  
333233

**Deuteranopia**  
343139



**Tritanopia**  
10373C

# Trichromacy



**Original Color**  
0C3837

**Protanomaly**  
253434

**Deuteranomaly**  
253438

**Tritanomaly**  
0F373A

# Monochromacy



**Original Color**  
0C3837

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
20302F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C3837 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 #0C3837 looks like.

```
.text, #text, p{  
    color:#0C3837  
}
```

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 #0C3837 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C3837
}
```

## Border

The CSS property to change the border of an element to Hex 0C3837 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
#0C3837 }
```

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

```
.border{ border-color:#0C3837 }
```

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

Here you see how a box with a 4 pixel #0C3837 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C3837; -webkit-box-shadow:4px 4px  
4px 4px #0C3837; box-shadow:4px 4px 4px  
4px #0C3837 }
```

# Background

The CSS property to change the background color of an element to Hex 0C3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C3837 }
```

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

```
.background{ background-color:#0C3837 }
```

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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