

# Converting Colors

Hex(0B6233)

Have a look what the booklet for  
Hex(0B6233) contains.

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**Color**

**Hex(0B6233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0B6233
RGB	11, 98, 51
RGB Percent	4%, 38%, 20%
CMY	0.9569, 0.6157, 0.8000
CMYK	0.89, 0.00, 0.48, 0.62
HSL	148°, 80%, 21%
HSV	148°, 89%, 38%
XYZ	5.1032, 9.0455, 4.6090
YIQ	66.6290, -36.7650, -33.0610

# Conversions

## Conversions Part 2

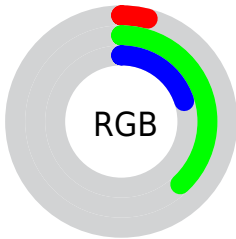
Format	Color
<b>RYB</b>	<b>11, 71, 98</b>
Decimal	746035
CIELab	36.07, -35.82, 20.08
CIELCh	36, 41.063, 150.729
Yxy	9.0455, 0.2721, 0.4822
Android (android.graphics.Color)	4278936115 (0xFF0B6233)
YUV	66.6290, -7.7051, -48.7866
Hunter-Lab	30.0758, -22.3449, 11.9672

# Details

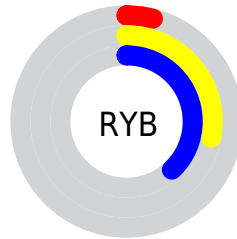
The Hex color **0B6233** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **620B3A**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **499662**, and **003206** is the 20% darker color. If you saturate the color by 10%, you get **01622E**, and if you desaturate by 10%, it is **156238**.

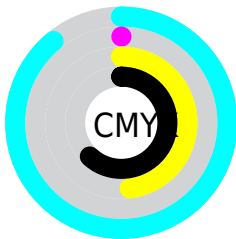
# Distribution



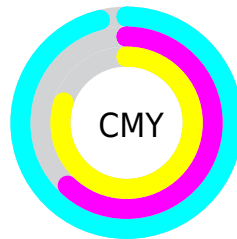
- Red (4%)
- Green (38%)
- Blue (20%)



- Red (4%)
- Yellow (28%)
- Blue (38%)



- Cyan (89%)
- Magenta (0%)
- Yellow (48%)
- Black (62%)



- Cyan (96%)
- Magenta (62%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B6233 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 0B6233 by changing the saturation by 10% instead.



 0B6233

 0B6233

FFFFFF

 004A1D

 499662

 003206

 63B17B

 001D00

 7ECC95

 000000

 9AE9B0

 B6FFCC

 D2FFE8

 EFFFFFF

 0B6233

 0B6233

■ 01622E

■ 156238

■ 00622D

■ 1F623E

■ 286243

■ 326248

■ 3C624D

■ 466253

■ 506258

■ 59625D

■ 636263

# Harmonies

## Analogous

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



445D17



0B6233



006455

# Triad

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



0B6233



005897



8E3A35

# Complementary

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



0B6233



620B3A

# 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.



8F3555



0B6233



564C8E

# Square

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



0B6233



00608E



7D3D76



7F471A

# Rectangle

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



0B6233



00646B



7D3D76



903740



# Sweetspot

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



0B6233



5D806D



3B620B



2B4035



BFBFBF



404040



# Same Dimension

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



0B6233



00803B



0B625E



2C302E



007034



00F06E



# Inverse Universe

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



620B3A



800045



620B0F



302C2E



70003D



F00081



# Previews

## White Background



This preview shows how the Hex color 0B6233 looks on a white background.

## Color Contrast Check

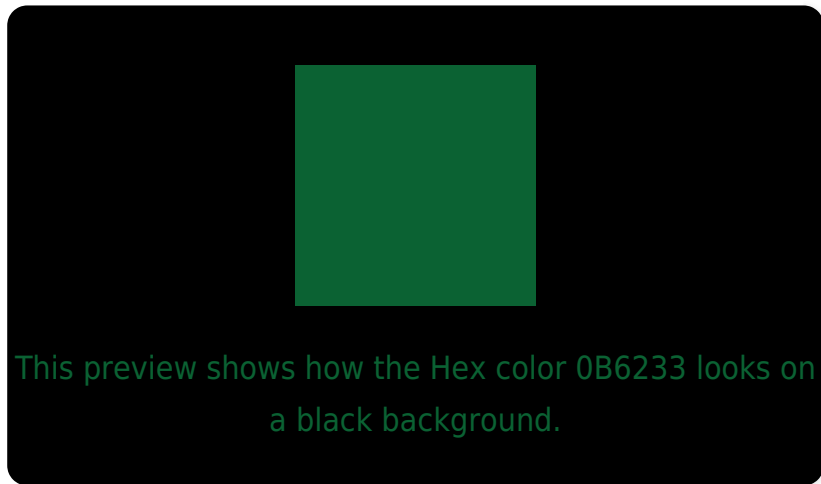
Large Text (above 18pt) WCAG AA ✓ Pass

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 0B6233 Background



This preview shows how black text looks on a background with the Hex color 0B6233.



This preview shows how white text looks on a background with the Hex color 0B6233.

# 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**  
0B6233

**Protanopia**  
5D552E

**Deuteranopia**  
665137



**Tritanopia**  
265D64

# Trichromacy



**Original Color**  
0B6233

**Protanomaly**  
3F5A30

**Deuteranomaly**  
455736

**Tritanomaly**  
1C5F52

# Monochromacy



**Original Color**  
0B6233

**Achromatopsia**  
434343

**Achromatomaly**  
2F4E3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B6233 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 #0B6233 looks like.

```
.text, #text, p{  
    color:#0B6233  
}
```

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 #0B6233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B6233
}
```

## Border

The CSS property to change the border of an element to Hex 0B6233 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
#0B6233 }
```

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

```
.border{ border-color:#0B6233 }
```

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

Here you see how a box with a 4 pixel #0B6233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B6233; -webkit-box-shadow:4px 4px  
4px 4px #0B6233; box-shadow:4px 4px 4px  
4px #0B6233 }
```

# Background

The CSS property to change the background color of an element to Hex 0B6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B6233 }
```

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

```
.background{ background-color:#0B6233 }
```

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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