

# Converting Colors

Hex(0D6638)

Have a look what the booklet for  
Hex(0D6638) contains.

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# Color

**Hex(0D6638)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0D6638
RGB	13, 102, 56
RGB Percent	5%, 40%, 22%
CMY	0.9490, 0.6000, 0.7804
CMYK	0.87, 0.00, 0.45, 0.60
HSL	149°, 77%, 23%
HSV	149°, 87%, 40%
XYZ	5.6312, 9.8738, 5.3504
YIQ	70.1450, -38.2780, -33.1740

# Conversions

## Conversions Part 2

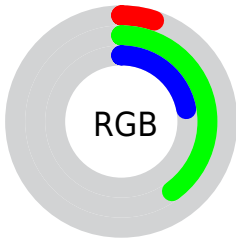
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 73, 102
Decimal	878136
CIELab	37.62, -36.18, 19.18
CIElCh	38, 40.951, 152.065
Yxy	9.8738, 0.2700, 0.4734
Android (android.graphics.Color)	4279068216 (0xFF0D6638)
YUV	70.1450, -6.9735, -50.1162
Hunter-Lab	31.4227, -23.0012, 11.9004

# Details

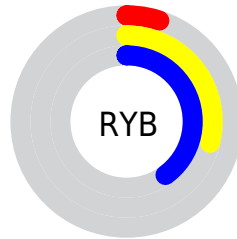
The Hex color **0D6638** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **660D3B**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **4B9A68**, and **00360C** is the 20% darker color. If you saturate the color by 10%, you get **036633**, and if you desaturate by 10%, it is **17663D**.

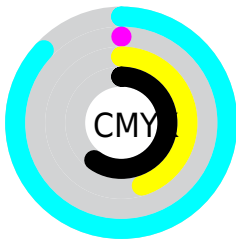
# Distribution



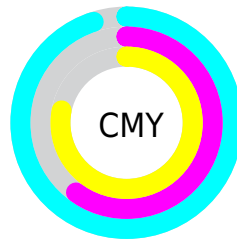
- Red (5%)
- Green (40%)
- Blue (22%)



- Red (5%)
- Yellow (29%)
- Blue (40%)



- Cyan (87%)
- Magenta (0%)
- Yellow (45%)
- Black (60%)



- Cyan (95%)
- Magenta (60%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0D6638 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 0D6638 by changing the saturation by 10% instead.



 0D6638

 0D6638

FFFFFF

 004D22

 4B9A68

 00360C

 66B581

 002200

 81D19B

 000000

 9CEDB6

 B8FFD2

 D5FFEE

 F2FFFF

 0D6638

 0D6638

■ 036633

■ 17663D

■ 006631

■ 216643

■ 2C6648

■ 36664D

■ 406652

■ 4A6658

■ 54665D

■ 5F6662

■ 696667

# Harmonies

## Analogous

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



46611C



0D6638



00685A

# Triad

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



0D6638



005C9B



923E37

# Complementary

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



0D6638



660D3B

# 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.



933958



0D6638



5C4F91

# Square

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



0D6638



006493



824178



824B1D

# Rectangle

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



0D6638



006870



824178



943B42



# Sweetspot

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



0D6638



628573



3C660D



2E4238



C2C2C2



424242



# Same Dimension

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



0D6638



008540



0D6663



2E3330



007337



00F275



# Inverse Universe

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



660D3B



850045



660D10



332E31



73003B



F2007D



# Previews

## White Background



This preview shows how the Hex color 0D6638 looks on a white background.

## Color Contrast Check

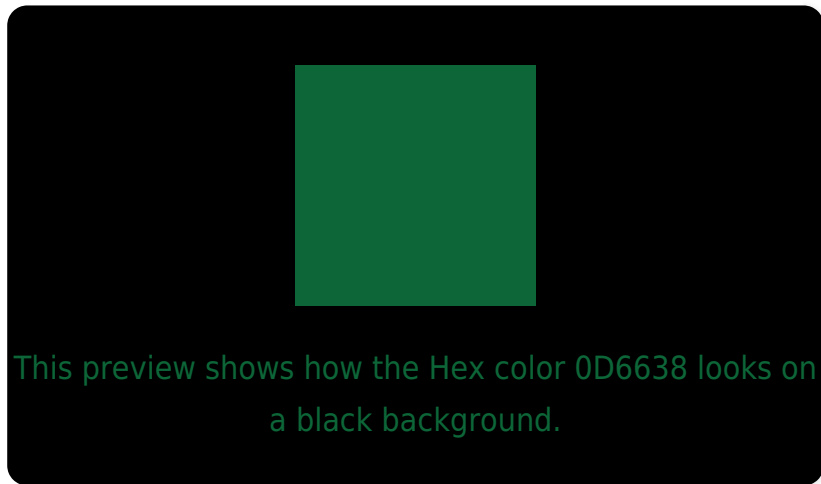
Large Text (above 18pt) WCAG AA ✓ Pass

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

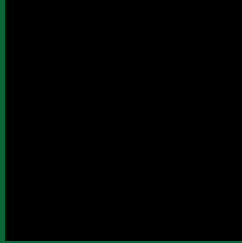
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0D6638 Background



This preview shows how black text looks on a background with the Hex color 0D6638.



This preview shows how white text looks on a background with the Hex color 0D6638.

# 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**  
0D6638

**Protanopia**  
615833

**Deuteranopia**  
6A543C



**Tritanopia**  
286068

# Trichromacy



**Original Color**  
0D6638



**Protanomaly**  
425D35



**Deuteranomaly**  
485B3B



**Tritanomaly**  
1E6257

# Monochromacy



**Original Color**  
0D6638



**Achromatopsia**  
464646



**Achromatomaly**  
315241

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0D6638 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 #0D6638 looks like.

```
.text, #text, p{  
    color:#0D6638  
}
```

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 #0D6638 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0D6638
}
```

## Border

The CSS property to change the border of an element to Hex 0D6638 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
#0D6638 }
```

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

```
.border{ border-color:#0D6638 }
```

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

Here you see how a box with a 4 pixel #0D6638 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0D6638; -webkit-box-shadow:4px 4px  
4px 4px #0D6638; box-shadow:4px 4px 4px  
4px #0D6638 }
```

# Background

The CSS property to change the background color of an element to Hex 0D6638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0D6638 }
```

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

```
.background{ background-color:#0D6638 }
```

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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