

# Converting Colors

Hex(037F33)

Have a look what the booklet for  
Hex(037F33) contains.

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**Color**

**Hex(037F33)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	037F33
RGB	3, 127, 51
RGB Percent	1%, 50%, 20%
CMY	0.9882, 0.5020, 0.8000
CMYK	0.98, 0.00, 0.60, 0.50
HSL	143°, 95%, 25%
HSV	143°, 98%, 50%
XYZ	8.2245, 15.4371, 5.6782
YIQ	81.2600, -49.5080, -49.9240

# Conversions

## Conversions Part 2

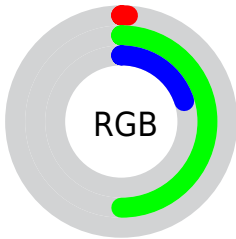
<b>Format</b>	<b>Color</b>
<b>RYB</b>	3, 92, 127
Decimal	229171
CIELab	46.23, -47.07, 32.57
CIELCh	46, 57.236, 145.320
Yxy	15.4371, 0.2803, 0.5262
Android (android.graphics.Color)	4278419251 (0xFF037F33)
YUV	81.2600, -14.9182, -68.6340
Hunter-Lab	39.2901, -31.3929, 18.9346

# Details

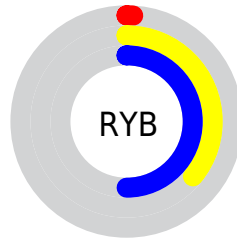
The Hex color **037F33** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7F034F**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **50B564**, and **004C02** is the 20% darker color. If you saturate the color by 10%, you get **007F31**, and if you desaturate by 10%, it is **107F3B**.

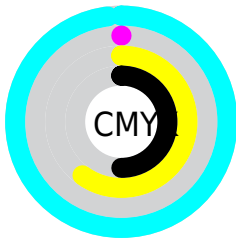
# Distribution



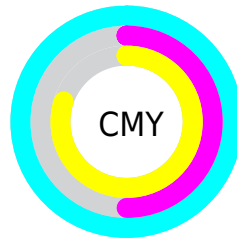
- Red (1%)
- Green (50%)
- Blue (20%)



- Red (1%)
- Yellow (36%)
- Blue (50%)



- Cyan (98%)
- Magenta (0%)
- Yellow (60%)
- Black (50%)



- Cyan (99%)
- Magenta (50%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 037F33 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 037F33 by changing the saturation by 10% instead.





037F33



037F33

FFFFFF



00651B



50B564



004C02



6CD17D



003400



89EE98



001E00



A5FFB3



000000



C2FFCF



DFFFEB



FDFFFF



037F33



037F33

■ 007F31

■ 107F3B

■ 1C7F43

■ 297F4A

■ 367F52

■ 427F5A

■ 4F7F62

■ 5C7F69

■ 697F71

■ 757F79

# Harmonies

## Analogous

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



5C7700



037F33



008364

# Triad

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



037F33



0076CE



C14048

# Complementary

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



037F33



7F034F

# 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.



BE3B77



037F33



5C64C5

# Square

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



037F33



007FBC



A04DA5



AD551C

# Rectangle

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



037F33



008386



A04DA5



C33C57



# Sweetspot

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



037F33



76A688



4F7F03



375442



D4D4D4



545454



# Same Dimension

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



037F33



00A640



037F71



39403C



008031



000000



# Inverse Universe

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



7F034F



A60066



7F0311



40393D



80004E



000000



# Previews

## White Background



This preview shows how the Hex color 037F33 looks on a white background.

## Color Contrast Check

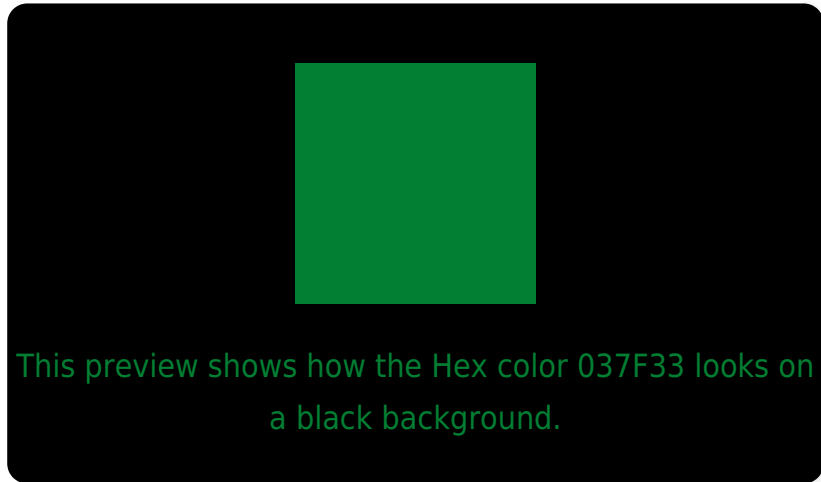
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 037F33 Background



This preview shows how black text looks on a background with the Hex color 037F33.



This preview shows how white text looks on a background with the Hex color 037F33.

# 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**  
037F33

**Protanopia**  
796D2E

**Deuteranopia**  
86683A



**Tritanopia**  
337781

# Trichromacy



**Original Color**  
037F33



**Protanomaly**  
4E7430



**Deuteranomaly**  
567037



**Tritanomaly**  
227A65

# Monochromacy



**Original Color**  
037F33



**Achromatopsia**  
515151



**Achromatomaly**  
356246

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 037F33 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 #037F33 looks like.

```
.text, #text, p{  
    color:#037F33  
}
```

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 #037F33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #037F33
}
```

## Border

The CSS property to change the border of an element to Hex 037F33 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
#037F33 }
```

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

```
.border{ border-color:#037F33 }
```

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

Here you see how a box with a 4 pixel #037F33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #037F33; -webkit-box-shadow:4px 4px  
4px 4px #037F33; box-shadow:4px 4px 4px  
4px #037F33 }
```

# Background

The CSS property to change the background color of an element to Hex 037F33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#037F33 }
```

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

```
.background{ background-color:#037F33 }
```

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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