

# Converting Colors

Hex(33633A)

Have a look what the booklet for  
Hex(33633A) contains.

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# Color

**Hex(33633A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	33633A
RGB	51, 99, 58
RGB Percent	20%, 39%, 23%
CMY	0.8000, 0.6118, 0.7725
CMYK	0.48, 0.00, 0.41, 0.61
HSL	129°, 32%, 29%
HSV	129°, 48%, 39%
XYZ	6.5908, 9.9330, 5.5729
YIQ	79.9740, -15.4470, -22.9270

# Conversions

## Conversions Part 2

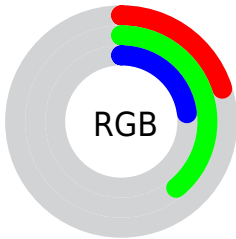
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 93, 99
Decimal	3367738
CIELab	37.72, -26.14, 18.37
CIELCh	38, 31.950, 144.909
Yxy	9.9330, 0.2983, 0.4495
Android (android.graphics.Color)	4281557818 (0xFF33633A)
YUV	79.9740, -10.8332, -25.4102
Hunter-Lab	31.5166, -17.8259, 11.5778

# Details

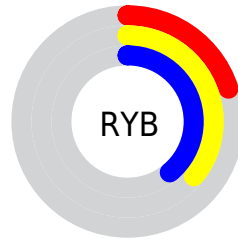
The Hex color **33633A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **63335C**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **65966A**, and **00340F** is the 20% darker color. If you saturate the color by 10%, you get **296332**, and if you desaturate by 10%, it is **3D6342**.

# Distribution



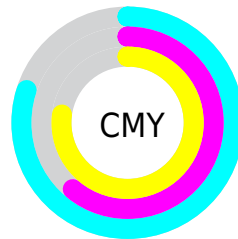
- Red (20%)
- Green (39%)
- Blue (23%)



- Red (20%)
- Yellow (36%)
- Blue (39%)



- Cyan (48%)
- Magenta (0%)
- Yellow (41%)
- Black (61%)



- Cyan (80%)
- Magenta (61%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33633A 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 33633A by changing the saturation by 10% instead.





33633A



33633A

FFFFFF



1A4B24



65966A



00340F



7FB183



002000



99CD9D



000000



B4E9B8



D0FFD4



EDFFF0



33633A



33633A



296332



3D6342

■ 1F6329

■ 47634B

■ 156321

■ 516353

■ 0B6318

■ 5B635C

■ 026310

■ 656364

■ 00630E

■ 6E636D

■ 786375

■ 82637E

■ 8C6386

# Harmonies

## Analogous

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



535E28



33633A



006653

# Triad

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



33633A



1C5D8C



894544

# Complementary

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



33633A



63335C

# 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.



86435E



33633A



545488

# Square

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



33633A



006382



744A77



7F4C2F

# Rectangle

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



33633A



006665



744A77



89434D



# Sweetspot

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



33633A



6C806F



5D6333



344036



BFBFBF



404040



# Same Dimension

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



33633A



368040



336351



2C302C



007010



00F023



# Inverse Universe

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



63335C



803675



633345



302C30



700060

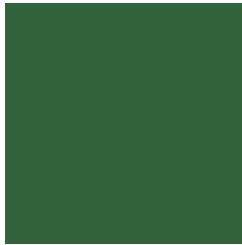


F000CD



# Previews

## White Background



This preview shows how the Hex color 33633A looks on a white background.

## Color Contrast Check

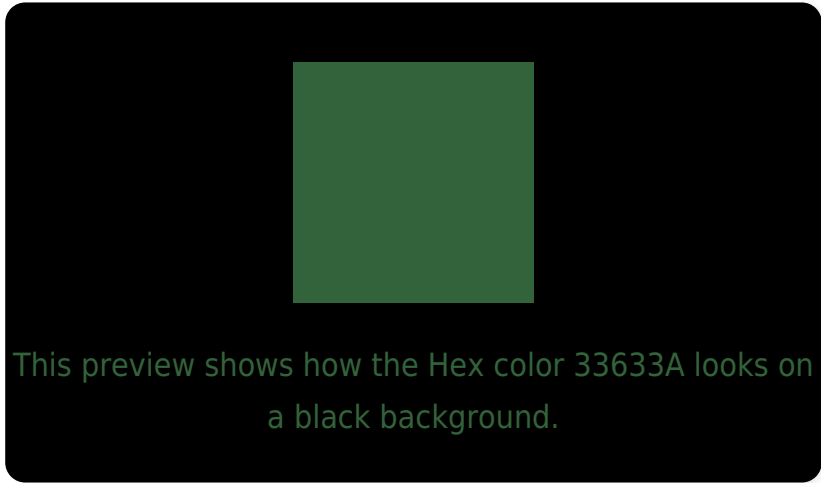
Large Text (above 18pt) WCAG AA ✓ Pass

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

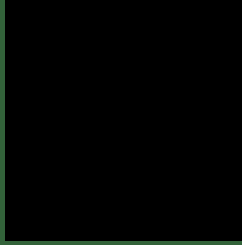
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33633A Background



This preview shows how black text looks on a background with the Hex color 33633A.



This preview shows how white text looks on a background with the Hex color 33633A.

# 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**  
33633A

**Protanopia**  
615836

**Deuteranopia**  
69553D



**Tritanopia**  
3D5E65

# Trichromacy



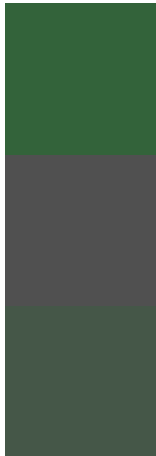
**Original Color**  
33633A

**Protanomaly**  
505C37

**Deuteranomaly**  
555A3C

**Tritanomaly**  
396055

# Monochromacy



**Original Color**  
33633A

**Achromatopsia**  
505050

**Achromatomaly**  
455748

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33633A 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 #33633A looks like.

```
.text, #text, p{  
    color:#33633A  
}
```

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 #33633A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33633A
}
```

## Border

The CSS property to change the border of an element to Hex 33633A 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
#33633A }
```

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

```
.border{ border-color:#33633A }
```

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

Here you see how a box with a 4 pixel #33633A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33633A; -webkit-box-shadow:4px 4px  
4px 4px #33633A; box-shadow:4px 4px 4px  
4px #33633A }
```

# Background

The CSS property to change the background color of an element to Hex 33633A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33633A }
```

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

```
.background{ background-color:#33633A }
```

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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