

# Converting Colors

Hex(33400E)

Have a look what the booklet for  
Hex(33400E) contains.

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# Color

**Hex(33400E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33400E
RGB	51, 64, 14
RGB Percent	20%, 25%, 5%
CMY	0.8000, 0.7490, 0.9451
CMYK	0.20, 0.00, 0.78, 0.75
HSL	76°, 64%, 15%
HSV	76°, 78%, 25%
XYZ	3.2779, 4.4023, 1.0924
YIQ	54.4130, 8.3020, -18.3060

# Conversions

## Conversions Part 2

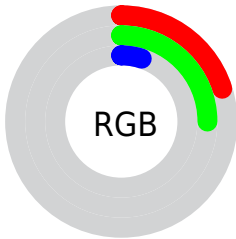
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 64, 27
Decimal	3358734
CIE Lab	24.96, -13.80, 27.48
CIE LCh	25, 30.752, 116.659
Yxy	4.4023, 0.3737, 0.5018
Android (android.graphics.Color)	4281548814 (0xFF33400E)
YUV	54.4130, -19.9236, -2.9932
Hunter-Lab	20.9817, -8.8314, 11.6002

# Details

The Hex color **33400E** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1B0E40**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **63703B**, and **001700** is the 20% darker color. If you saturate the color by 10%, you get **314008**, and if you desaturate by 10%, it is **354014**.

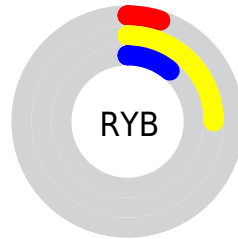
# Distribution



Red (20%)

Green (25%)

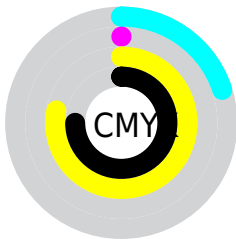
Blue (5%)



Red (5%)

Yellow (25%)

Blue (11%)

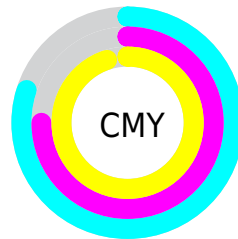


Cyan (20%)

Magenta (0%)

Yellow (78%)

Black (75%)



Cyan (80%)

Magenta (75%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33400E 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 33400E by changing the saturation by 10% instead.



 33400E

 33400E

 FFFFFF3

 1E2A00

 63703B

 001700

 7D8953

 000000

 97A36C

 B2BE85

 CEDAA0

 EAF7BB

 FFFFD7

 33400E

 33400E

■ 314008

■ 354014

■ 304001

■ 36401B

■ 2F4000

■ 384021

■ 3A4028

■ 3B402E

■ 3D4034

■ 3F403B

■ 404041

■ 424048

# Harmonies

## Analogous

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



4A3908



33400E



134420

# Triad

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



33400E



004462



63263F

# Complementary

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



33400E



1B0E40

# 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.



552C55



33400E



003F6A

# Square

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



33400E



00464F



373665



652828

# Rectangle

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



33400E



004630



373665



602747



# Sweetspot

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



33400E



4F5441



401A0E



282B1F



ABABAB



2B2B2B



# Same Dimension

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



33400E



405405



1A400E



20211E



486100



A6E000



# Inverse Universe

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



1B0E40



1A0554



340E40



1F1E21



190061

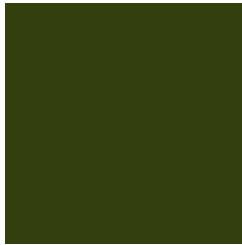


3A00E0



# Previews

## White Background



This preview shows how the Hex color 33400E looks on a white background.

## Color Contrast Check

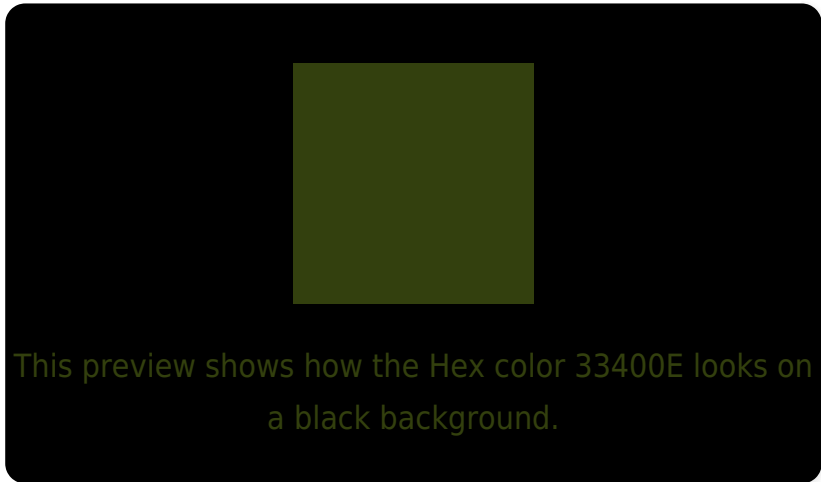
Large Text (above 18pt) WCAG AA ✓ Pass

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 33400E Background



This preview shows how black text looks on a background with the Hex color 33400E.



This preview shows how white text looks on a background with the Hex color 33400E.

# 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**  
33400E

**Protanopia**  
433B0D

**Deuteranopia**  
4A3812



**Tritanopia**  
383C40

# Trichromacy



**Original Color**  
33400E

**Protanomaly**  
3D3D0D

**Deuteranomaly**  
423B11

**Tritanomaly**  
363D2E

# Monochromacy



**Original Color**  
33400E

**Achromatopsia**  
363636

**Achromatomaly**  
353A27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33400E 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 #33400E looks like.

```
.text, #text, p{  
    color:#33400E  
}
```

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 #33400E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33400E
}
```

## Border

The CSS property to change the border of an element to Hex 33400E is called "border". The border property can be set on classes, ids or directly on the HTML element.

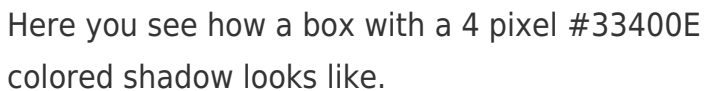
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33400E }
```

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

```
.border{ border-color:#33400E }
```

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



Here you see how a box with a 4 pixel #33400E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33400E; -webkit-box-shadow:4px 4px  
4px 4px #33400E; box-shadow:4px 4px 4px  
4px #33400E }
```

# Background

The CSS property to change the background color of an element to Hex 33400E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33400E }
```

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

```
.background{ background-color:#33400E }
```

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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