

# Converting Colors

Hex(33450B)

Have a look what the booklet for  
Hex(33450B) contains.

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**Color**

**Hex(33450B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33450B
RGB	51, 69, 11
RGB Percent	20%, 27%, 4%
CMY	0.8000, 0.7294, 0.9569
CMYK	0.26, 0.00, 0.84, 0.73
HSL	79°, 72%, 16%
HSV	79°, 84%, 27%
XYZ	3.5538, 4.9842, 1.0914
YIQ	57.0060, 7.8900, -21.8540

# Conversions

## Conversions Part 2

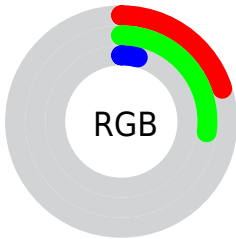
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 69, 29
Decimal	3360011
CIELab	26.69, -16.81, 30.48
CIELCh	27, 34.811, 118.882
Yxy	4.9842, 0.3691, 0.5176
Android (android.graphics.Color)	4281550091 (0xFF33450B)
YUV	57.0060, -22.6810, -5.2673
Hunter-Lab	22.3254, -10.6556, 12.7294

# Details

The Hex color **33450B** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1D0B45**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **64753A**, and **001B00** is the 20% darker color. If you saturate the color by 10%, you get **314504**, and if you desaturate by 10%, it is **354512**.

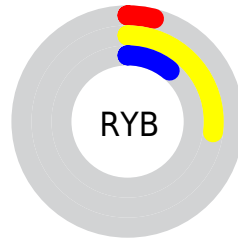
# Distribution



Red (20%)

Green (27%)

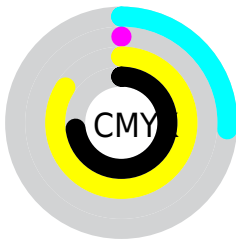
Blue (4%)



Red (4%)

Yellow (27%)

Blue (11%)

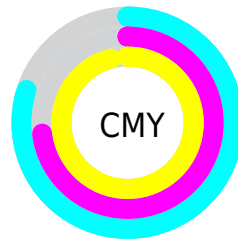


Cyan (26%)

Magenta (0%)

Yellow (84%)

Black (73%)



Cyan (80%)

Magenta (73%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33450B 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 33450B by changing the saturation by 10% instead.



 33450B

 33450B


 FFFFF2

 1E2F00

 64753A

 001B00

 7D8F52

 000000

 98A96A

 B3C584

 CFE19E

 EBFDBA

 FFFFD6

 33450B

 33450B

■ 314504

■ 354512

■ 304500

■ 374519

■ 394520

■ 3C4527

■ 3E452E

■ 404534

■ 42453B

■ 444542

■ 464549

# Harmonies

## Analogous

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



4D3D03



33450B



074922

# Triad

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



33450B



00496C



6D2541

# Complementary

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



33450B



1D0B45

# 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.



5E2D5B



33450B



004274

# Square

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



33450B



004B58



3D386E



6D2927

# Rectangle

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



33450B



004B34



3D386E



6A274A



# Sweetspot

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



33450B



525943



451C0B



2A2E20



ADADAD



2E2E2E



# Same Dimension

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



33450B



3E5900



17450B



232420



456300



9DE300



# Inverse Universe

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



1D0B45



1C0059



390B45



212024



1F0063



4600E3



# Previews

## White Background



This preview shows how the Hex color 33450B looks on a white background.

## Color Contrast Check

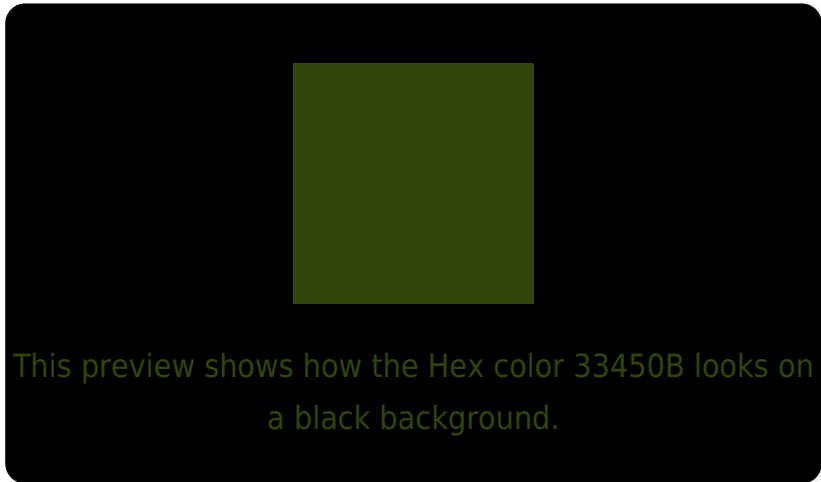
Large Text (above 18pt) WCAG AA ✓ Pass

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

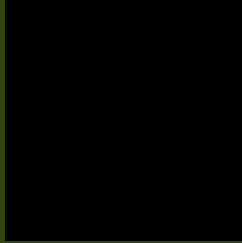
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33450B Background



This preview shows how black text looks on a background with the Hex color 33450B.



This preview shows how white text looks on a background with the Hex color 33450B.

# 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**  
33450B

**Protanopia**  
473F09

**Deuteranopia**  
4F3C10



**Tritanopia**  
394045

# Trichromacy



**Original Color**  
33450B

**Protanomaly**  
40410A

**Deuteranomaly**  
453F0E

**Tritanomaly**  
374230

# Monochromacy



**Original Color**  
33450B

**Achromatopsia**  
393939

**Achromatomaly**  
373D28

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33450B 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 #33450B looks like.

```
.text, #text, p{  
    color:#33450B  
}
```

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 #33450B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33450B
}
```

## Border

The CSS property to change the border of an element to Hex 33450B 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".

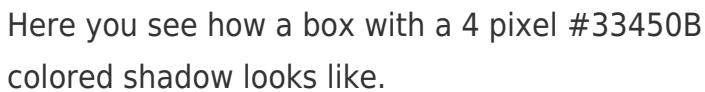
```
.border, #border, table{ border:4px solid
#33450B }
```

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

```
.border{ border-color:#33450B }
```

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

Here you see how a box with a 4 pixel #33450B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33450B; -webkit-box-shadow:4px 4px  
4px 4px #33450B; box-shadow:4px 4px 4px  
4px #33450B }
```

# Background

The CSS property to change the background color of an element to Hex 33450B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33450B }
```

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

```
.background{ background-color:#33450B }
```

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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