

# Converting Colors

Hex(33351D)

Have a look what the booklet for  
Hex(33351D) contains.

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# Color

**Hex(33351D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33351D
RGB	51, 53, 29
RGB Percent	20%, 21%, 11%
CMY	0.8000, 0.7922, 0.8863
CMYK	0.04, 0.00, 0.45, 0.79
HSL	65°, 29%, 16%
HSV	65°, 45%, 21%
XYZ	2.8601, 3.3387, 1.6561
YIQ	49.6660, 6.5120, -7.8880

# Conversions

## Conversions Part 2

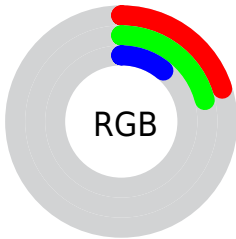
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 53, 31
Decimal	3355933
CIE Lab	21.35, -5.48, 14.85
CIE LCh	21, 15.827, 110.265
Yxy	3.3387, 0.3641, 0.4250
Android (android.graphics.Color)	4281546013 (0xFF33351D)
YUV	49.6660, -10.1883, 1.1699
Hunter-Lab	18.2722, -4.0360, 7.4168

# Details

The Hex color **33351D** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1F1D35**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **626349**, and **000900** is the 20% darker color. If you saturate the color by 10%, you get **333518**, and if you desaturate by 10%, it is **333522**.

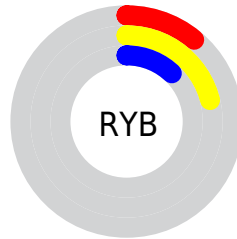
# Distribution



Red (20%)

Green (21%)

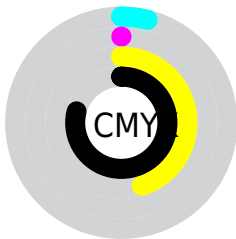
Blue (11%)



Red (11%)

Yellow (21%)

Blue (12%)

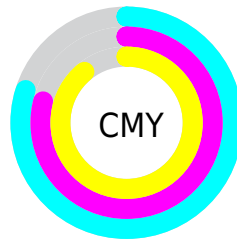


Cyan (4%)

Magenta (0%)

Yellow (45%)

Black (79%)



Cyan (80%)

Magenta (79%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33351D 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 33351D by changing the saturation by 10% instead.





33351D



33351D

FFFFFF



1E2005



626349



000900



7B7C61



000000



95967A



B0B194



CBCCAE



E7E8CA



FFFFE6



33351D



33351D

■ 333518

■ 333522

■ 323512

■ 343528

■ 32350D

■ 34352D

■ 313508

■ 353532

■ 313502

■ 353537

■ 313500

■ 36353D

■ 363542

■ 373547

■ 37354D

# Harmonies

## Analogous

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



3E311C



33351D



263824

# Triad

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



33351D



093845



482B38

# Complementary

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



33351D



1F1D35

# 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.



3E2D42



33351D



1C364A

# Square

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



33351D



08393B



2F3249



4A2B2C

# Rectangle

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



33351D



1C392B



2F3249



452B3B



# Sweetspot

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



33351D



44453B



351F1D



23241E



A3A3A3



242424



# Same Dimension

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



33351D



424520



27351D



191A17



525900



C7D900



# Inverse Universe

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



1F1D35



232045



2B1D35



17171A



070059



1200D9



# Previews

## White Background



This preview shows how the Hex color 33351D looks on a white background.

## Color Contrast Check

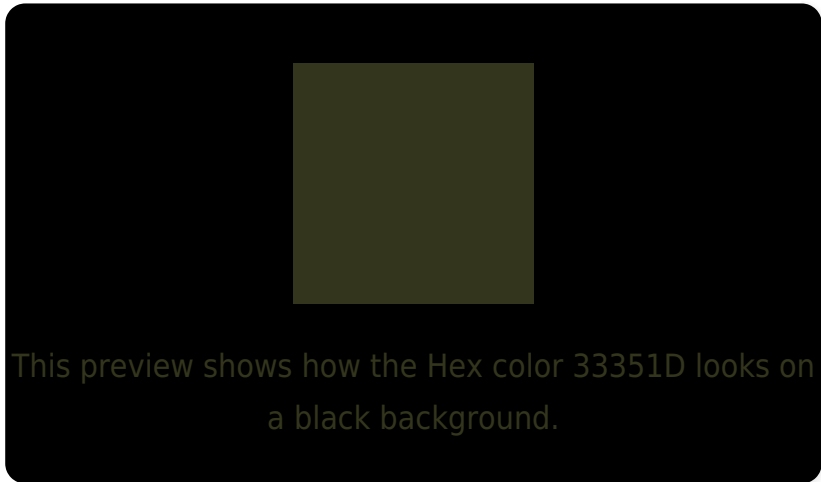
Large Text (above 18pt) WCAG AA ✓ Pass

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

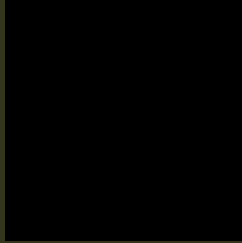
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

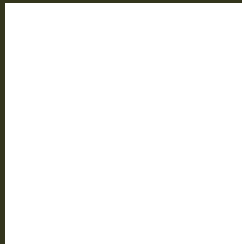
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33351D Background



This preview shows how black text looks on a background with the Hex color 33351D.

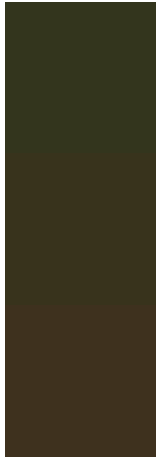


This preview shows how white text looks on a background with the Hex color 33351D.

# 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**  
33351D

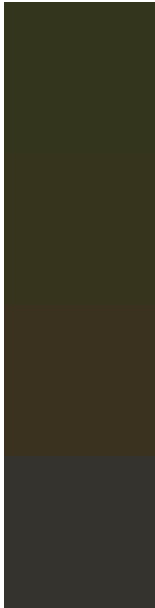
**Protanopia**  
38331C

**Deuteranopia**  
3E311E



**Tritanopia**  
363236

# Trichromacy



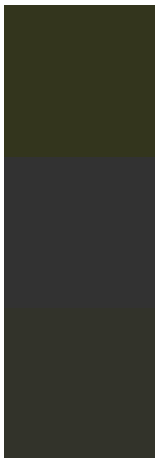
**Original Color**  
33351D

**Protanomaly**  
36341C

**Deuteranomaly**  
3A321E

**Tritanomaly**  
35332D

# Monochromacy



**Original Color**  
33351D

**Achromatopsia**  
323232

**Achromatomaly**  
32332A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33351D 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 #33351D looks like.

```
.text, #text, p{  
    color:#33351D  
}
```

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 #33351D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33351D
}
```

## Border

The CSS property to change the border of an element to Hex 33351D is called "border". The border property can be set on classes, ids or directly on the HTML element.

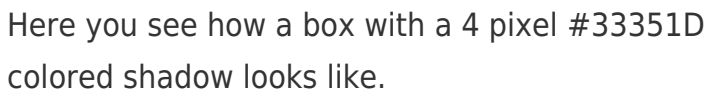
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33351D }
```

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

```
.border{ border-color:#33351D }
```

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



Here you see how a box with a 4 pixel #33351D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33351D; -webkit-box-shadow:4px 4px  
4px 4px #33351D; box-shadow:4px 4px 4px  
4px #33351D }
```

# Background

The CSS property to change the background color of an element to Hex 33351D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33351D }
```

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

```
.background{ background-color:#33351D }
```

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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