

# Converting Colors

Hex(33271A)

Have a look what the booklet for  
Hex(33271A) contains.

<b>Hex(33271A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(33271A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33271A
RGB	51, 39, 26
RGB Percent	20%, 15%, 10%
CMY	0.8000, 0.8471, 0.8980
CMYK	0.00, 0.24, 0.49, 0.80
HSL	31°, 32%, 15%
HSV	31°, 49%, 20%
XYZ	2.2772, 2.2294, 1.2876
YIQ	41.1060, 11.3250, -1.4990

# Conversions

## Conversions Part 2

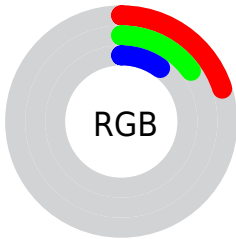
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 51, 26
Decimal	3352346
CIELab	16.65, 3.42, 10.72
CIELCh	17, 11.256, 72.319
Yxy	2.2294, 0.3930, 0.3848
Android (android.graphics.Color)	4281542426 (0xFF33271A)
YUV	41.1060, -7.4473, 8.6770
Hunter-Lab	14.9313, 1.0939, 5.3391

# Details

The Hex color **33271A** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1A2633**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **625445**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **332515**, and if you desaturate by 10%, it is **33291F**.

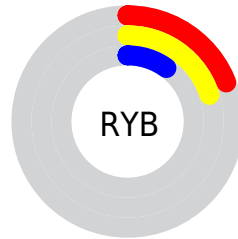
# Distribution



Red (20%)

Green (15%)

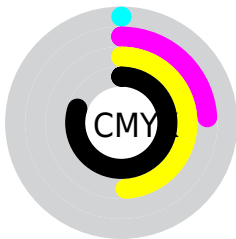
Blue (10%)



Red (19%)

Yellow (20%)

Blue (10%)

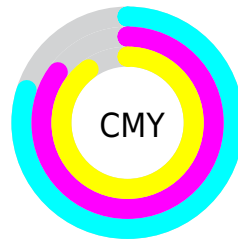


Cyan (0%)

Magenta (24%)

Yellow (49%)

Black (80%)



Cyan (80%)

Magenta (85%)

Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33271A 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 33271A by changing the saturation by 10% instead.



■ 33271A

■ 33271A

FFFFFFD

■ 1F1200

■ 625445

■ 000000

■ 7B6C5D

■ 958575

■ B09F8F

■ CCBAAA

■ E8D6C5

■ FFF2E1

■ 33271A

■ 33271A

■ 332515

■ 33291F

■ 332210

■ 332C24

■ 33200B

■ 332E29

■ 331D06

■ 33312E

■ 331B00

■ 333334

■ 333639

■ 33383E

■ 333B43

■ 333D48

# Harmonies

## Analogous

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



38251F



33271A



2B2A19

# Triad

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



33271A



112E2C



2E2635

# Complementary

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



33271A



1A2633

# 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.



242939



33271A



102D34

# Square

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



33271A



192D24



182B38



36242E

# Rectangle

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



33271A



262B1B



182B38



2B2737



# Sweetspot

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



33271A



423E38



331A26



211E1B



A1A1A1



212121



# Same Dimension

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



33271A



42301B



33331A



1A1817



592E00



D97100



# Inverse Universe

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



1A2633



1B2E42



1A1A33



17181A



002B59

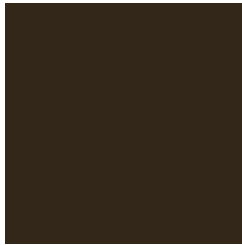


0068D9



# Previews

## White Background



This preview shows how the Hex color 33271A looks on a white background.

## Color Contrast Check

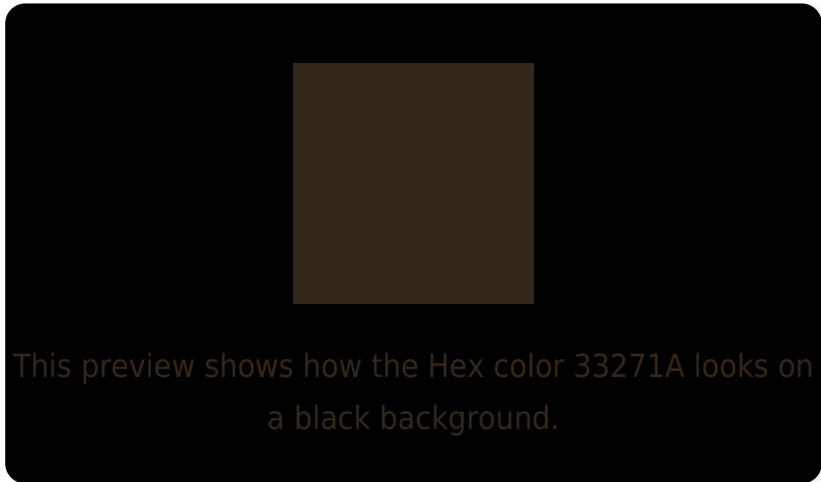
Large Text (above 18pt) WCAG AA ✓ Pass

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

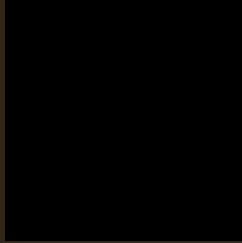
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33271A Background



This preview shows how black text looks on a background with the Hex color 33271A.

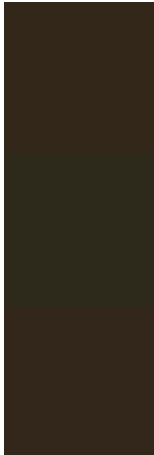


This preview shows how white text looks on a background with the Hex color 33271A.

# 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](#).

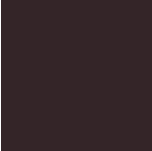
## Dichromacy



**Original Color**  
33271A

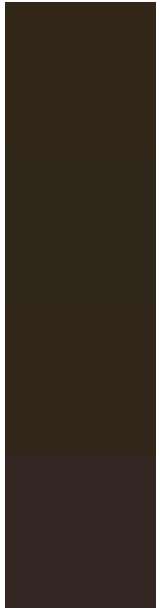
**Protanopia**  
2D291B

**Deuteranopia**  
32271A



**Tritanopia**  
342528

# Trichromacy



**Original Color**  
33271A

**Protanomaly**  
2F281B

**Deuteranomaly**  
32271A

**Tritanomaly**  
342623

# Monochromacy



**Original Color**  
33271A

**Achromatopsia**  
292929

**Achromatomaly**  
2D2824

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33271A 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 #33271A looks like.

```
.text, #text, p{  
    color:#33271A  
}
```

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 #33271A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33271A
}
```

## Border

The CSS property to change the border of an element to Hex 33271A is called "border". The border property can be set on classes, ids or directly on the HTML element.

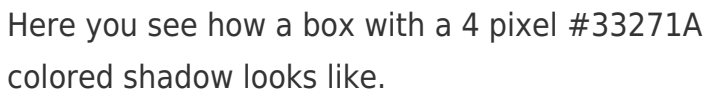
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33271A }
```

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

```
.border{ border-color:#33271A }
```

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



Here you see how a box with a 4 pixel #33271A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33271A; -webkit-box-shadow:4px 4px  
4px 4px #33271A; box-shadow:4px 4px 4px  
4px #33271A }
```

# Background

The CSS property to change the background color of an element to Hex 33271A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33271A }
```

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

```
.background{ background-color:#33271A }
```

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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