

# Converting Colors

Hex(332A2A)

Have a look what the booklet for  
Hex(332A2A) contains.

<b>Hex(332A2A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(332A2A)

# Conversions

## Conversions Part 1

Format	Color
Hex	332A2A
RGB	51, 42, 42
RGB Percent	20%, 16%, 16%
CMY	0.8000, 0.8353, 0.8353
CMYK	0.00, 0.18, 0.18, 0.80
HSL	0°, 10%, 18%
HSV	0°, 18%, 20%
XYZ	2.6111, 2.5269, 2.5406
YIQ	44.6910, 5.3640, 1.9080

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 42, 42
Decimal	3353130
CIELab	18.04, 4.15, 1.54
CIELCh	18, 4.422, 20.362
Yxy	2.5269, 0.3401, 0.3291
Android (android.graphics.Color)	4281543210 (0xFF332A2A)
YUV	44.6910, -1.3267, 5.5330
Hunter-Lab	15.8962, 1.5021, 1.6514

# Details

The Hex color **332A2A** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2A3333**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **615757**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **332525**, and if you desaturate by 10%, it is **332F2F**.

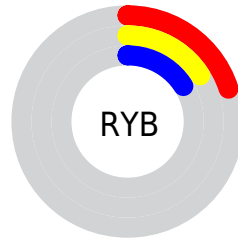
# Distribution



Red (20%)

Green (16%)

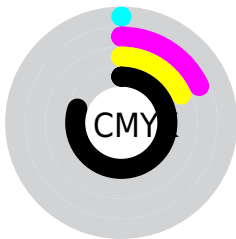
Blue (16%)



Red (20%)

Yellow (16%)

Blue (16%)

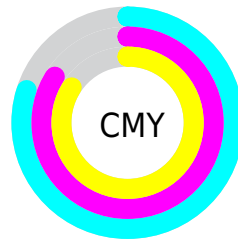


Cyan (0%)

Magenta (18%)

Yellow (18%)

Black (80%)



Cyan (80%)

Magenta (84%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 332A2A 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 332A2A by changing the saturation by 10% instead.





332A2A



332A2A

FFFFFF



1E1616



615757



000000



7A7070



948989



AFA3A3



CABEBE



E6DADA



FFF7F6



332A2A



332A2A

■ 332525

■ 332F2F

■ 332020

■ 333434

■ 331B1B

■ 333939

■ 331616

■ 333E3E

■ 331010

■ 334444

■ 330B0B

■ 334949

■ 330606

■ 334E4E

■ 330101

■ 335353

■ 330000

■ 335858

# Harmonies

## Analogous

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



322A2D



332A2A



322B27

# Triad

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



332A2A



292D28



282D32

# Complementary

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



332A2A



2A3333

# 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.



252E31



332A2A



262E2B

# Square

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



332A2A



2C2D26



242E2E



2B2C32

# Rectangle

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



332A2A



312B26



242E2E



262D32



# Sweetspot

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



332A2A



423F3F



332A33



211F1F



A1A1A1



212121



# Same Dimension

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



332A2A



423434



332F2A



1A1717



590000



D90000



# Inverse Universe

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



2A3333



344242



2A2F33



171A1A



005959

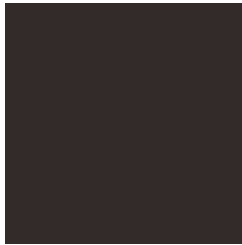


00D9D9



# Previews

## White Background



This preview shows how the Hex color 332A2A looks on a white background.

## Color Contrast Check

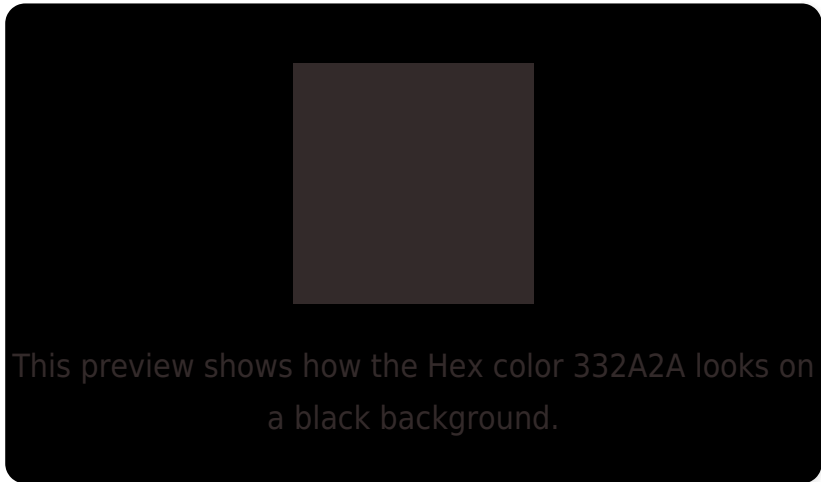
Large Text (above 18pt) WCAG AA ✓ Pass

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

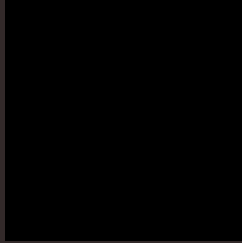
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 332A2A Background



This preview shows how black text looks on a background with the Hex color 332A2A.

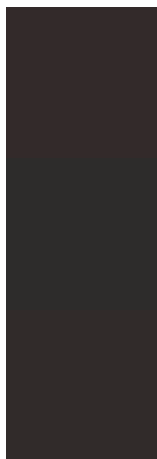


This preview shows how white text looks on a background with the Hex color 332A2A.

# 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**

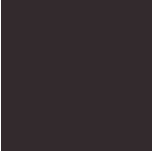
332A2A

**Protanopia**

2D2C2B

**Deuteranopia**

312B2A



**Tritanopia**  
332A2D

# Trichromacy



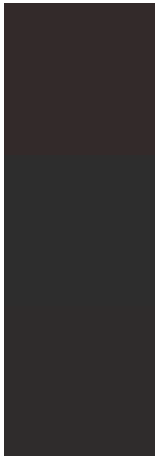
**Original Color**  
332A2A

**Protanomaly**  
2F2B2B

**Deuteranomaly**  
322B2A

**Tritanomaly**  
332A2C

# Monochromacy



**Original Color**  
332A2A

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
2F2C2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 332A2A 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 #332A2A looks like.

```
.text, #text, p{  
    color:#332A2A  
}
```

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 #332A2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #332A2A
}
```

## Border

The CSS property to change the border of an element to Hex 332A2A 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
#332A2A }
```

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

```
.border{ border-color:#332A2A }
```

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

Here you see how a box with a 4 pixel #332A2A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #332A2A; -webkit-box-shadow:4px 4px  
4px 4px #332A2A; box-shadow:4px 4px 4px  
4px #332A2A }
```

# Background

The CSS property to change the background color of an element to Hex 332A2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#332A2A }
```

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

```
.background{ background-color:#332A2A }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor