

# Converting Colors

Hex(33422E)

Have a look what the booklet for  
Hex(33422E) contains.

|  |    |
|--|----|
| <b>Hex(33422E)</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(33422E)

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 33422E                    |
| RGB         | 51, 66, 46                |
| RGB Percent | 20%, 26%, 18%             |
| CMY         | 0.8000, 0.7412, 0.8196    |
| CMYK        | 0.23, 0.00, 0.30, 0.74    |
| HSL         | 105°, 18%, 22%            |
| HSV         | 105°, 30%, 26%            |
| XYZ         | 3.8066, 4.7975, 3.3101    |
| YIQ         | 59.2350, -2.5200, -9.4000 |

# Conversions

## Conversions Part 2

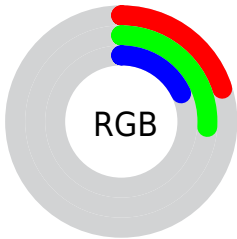
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 46, 66, 61                   |
| Decimal                             | 3359278                      |
| CIELab                              | 26.15, -10.61, 10.25         |
| CIELCh                              | 26, 14.755, 135.989          |
| Yxy                                 | 4.7975, 0.3195,<br>0.4027    |
| Android<br>(android.graphics.Color) | 4281549358<br>(0xFF33422E)   |
| YUV                                 | 59.2350, -6.5249,<br>-7.2221 |
| Hunter-Lab                          | 21.9032, -7.3087,<br>6.3719  |

# Details

The Hex color **33422E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3D2E42**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **62725C**, and **071800** is the 20% darker color. If you saturate the color by 10%, you get **2E4227**, and if you desaturate by 10%, it is **384235**.

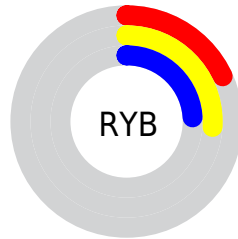
# Distribution



Red (20%)

Green (26%)

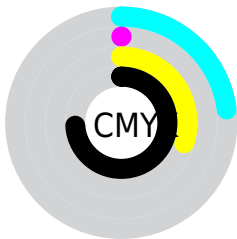
Blue (18%)



Red (18%)

Yellow (26%)

Blue (24%)

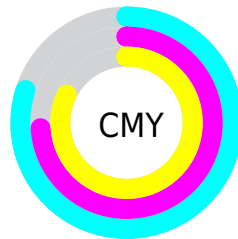


Cyan (23%)

Magenta (0%)

Yellow (30%)

Black (74%)



Cyan (80%)

Magenta (74%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33422E 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 33422E by changing the saturation by 10% instead.





33422E



33422E

FFFFFF



1E2C19



62725C



071800



7B8B75



000000



95A68E



AFC1A9



CBDDC4



E7F9E0



FFFFFFC



33422E



33422E

■ 2E4227

■ 384235

■ 294221

■ 3D423B

■ 24421A

■ 424242

■ 1F4214

■ 474248

■ 1A420D

■ 4C424F

■ 154206

■ 514256

■ 114200

■ 56425C

■ 5B4263

■ 604269

# Harmonies

## Analogous

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



403F28



33422E



264438

# Triad

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



33422E



284153



543638

# Complementary

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



33422E



3D2E42

# 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.



513644



33422E



383D53

# Square

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



33422E



1B434E



47394E



52382E

# Rectangle

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



33422E



1E4440



47394E



54363C



# Sweetspot

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



33422E



51574F



423D2E



282B27



ABABAB



2B2B2B



# Same Dimension

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



33422E



3F5737



2E4233



1F211E



186100



38E000



# Inverse Universe

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



3D2E42



4F3757



422E3D



201E21



490061



A800E0



# Previews

## White Background



This preview shows how the Hex color 33422E looks on a white background.

## Color Contrast Check

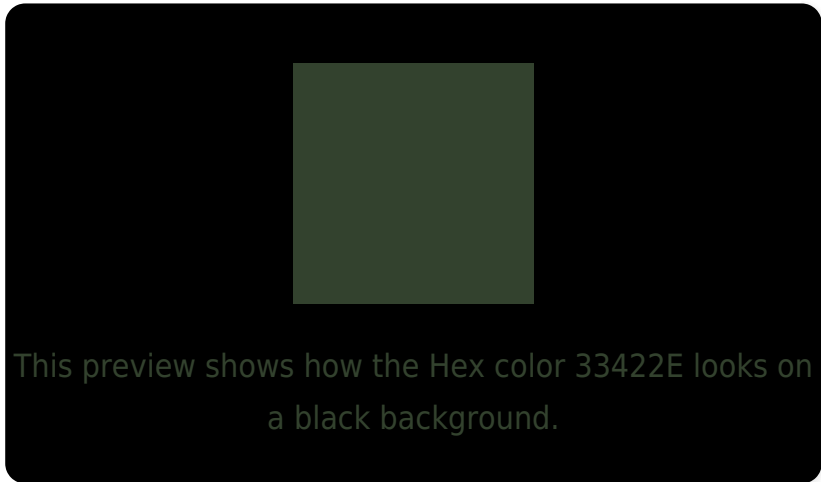
Large Text (above 18pt) WCAG AA ✓ Pass

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

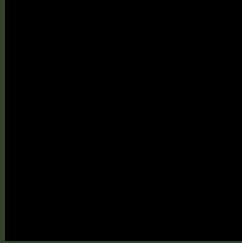
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33422E Background



This preview shows how black text looks on a background with the Hex color 33422E.

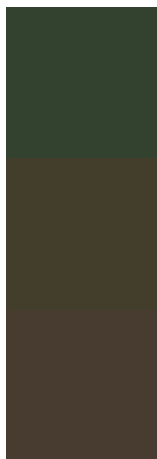


This preview shows how white text looks on a background with the Hex color 33422E.

# 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**  
33422E

**Protanopia**  
433E2C

**Deuteranopia**  
483B2F



**Tritanopia**  
373F44

# Trichromacy



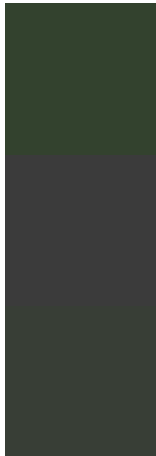
**Original Color**  
33422E

**Protanomaly**  
3D3F2D

**Deuteranomaly**  
403E2F

**Tritanomaly**  
36403C

# Monochromacy



**Original Color**  
33422E

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
383E36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33422E 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 #33422E looks like.

```
.text, #text, p{  
    color:#33422E  
}
```

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 #33422E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33422E
}
```

## Border

The CSS property to change the border of an element to Hex 33422E is called "border". The border property can be set on classes, ids or directly on the HTML element.

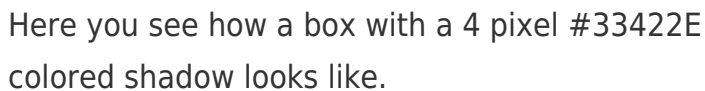
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33422E }
```

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

```
.border{ border-color:#33422E }
```

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



Here you see how a box with a 4 pixel #33422E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33422E; -webkit-box-shadow:4px 4px  
4px 4px #33422E; box-shadow:4px 4px 4px  
4px #33422E }
```

# Background

The CSS property to change the background color of an element to Hex 33422E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33422E }
```

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

```
.background{ background-color:#33422E }
```

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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