

# Converting Colors

Hex(31342D)

Have a look what the booklet for  
Hex(31342D) contains.

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# Color

**Hex(31342D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31342D
RGB	49, 52, 45
RGB Percent	19%, 20%, 18%
CMY	0.8078, 0.7961, 0.8235
CMYK	0.06, 0.00, 0.13, 0.80
HSL	86°, 7%, 19%
HSV	86°, 13%, 20%
XYZ	2.9683, 3.2984, 2.9628
YIQ	50.3050, 0.4590, -2.8130

# Conversions

## Conversions Part 2

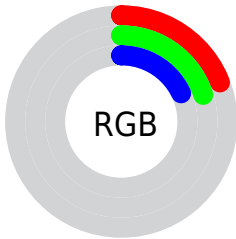
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 52, 48
Decimal	3224621
CIELab	21.20, -2.90, 3.98
CIElCh	21, 4.925, 126.005
Yxy	3.2984, 0.3216, 0.3574
Android (android.graphics.Color)	4281414701 (0xFF31342D)
YUV	50.3050, -2.6154, -1.1445
Hunter-Lab	18.1615, -2.6092, 3.0406

# Details

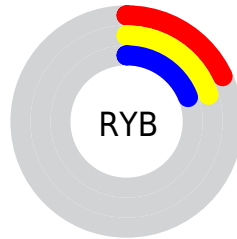
The Hex color **31342D** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **302D34**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **5F625B**, and **000600** is the 20% darker color. If you saturate the color by 10%, you get **2F3428**, and if you desaturate by 10%, it is **333432**.

# Distribution



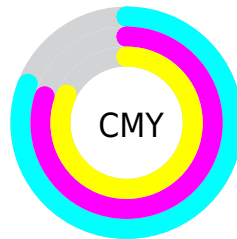
- Red (19%)
- Green (20%)
- Blue (18%)



- Red (18%)
- Yellow (20%)
- Blue (19%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (80%)



- Cyan (81%)
- Magenta (80%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31342D 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 31342D by changing the saturation by 10% instead.





31342D



31342D

FFFFFF



1C1F18



5F625B



000600



787B73



000000



91958D



ACB0A7



C7CBC2



E3E7DE



FFFFFFB



31342D



31342D

■ 2F3428

■ 333432

■ 2D3423

■ 353437

■ 2A341D

■ 38343D

■ 283418

■ 3A3442

■ 263413

■ 3C3447

■ 24340E

■ 3E344C

■ 213409

■ 413451

■ 1F3403

■ 433457

■ 1E3400

■ 45345C

# Harmonies

## Analogous

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



35332C



31342D



2D3530

# Triad

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



31342D



2C3439



3A3032

# Complementary

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



31342D



302D34

# 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.



383136



31342D



30333A

# Square

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



31342D



2A3537



353239



3B312F

# Rectangle

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



31342D



2B3532



353239



3A3134



# Sweetspot

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



31342D



444542



34302D



232422



A3A3A3



242424



# Same Dimension

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



31342D



40453A



2E342D



181A17



335900



7CD900



# Inverse Universe

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



302D34



3F3A45



332D34



18171A



260059

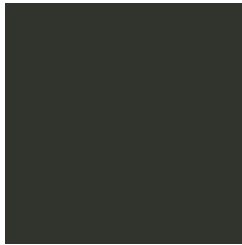


5D00D9



# Previews

## White Background



This preview shows how the Hex color 31342D looks on a white background.

## Color Contrast Check

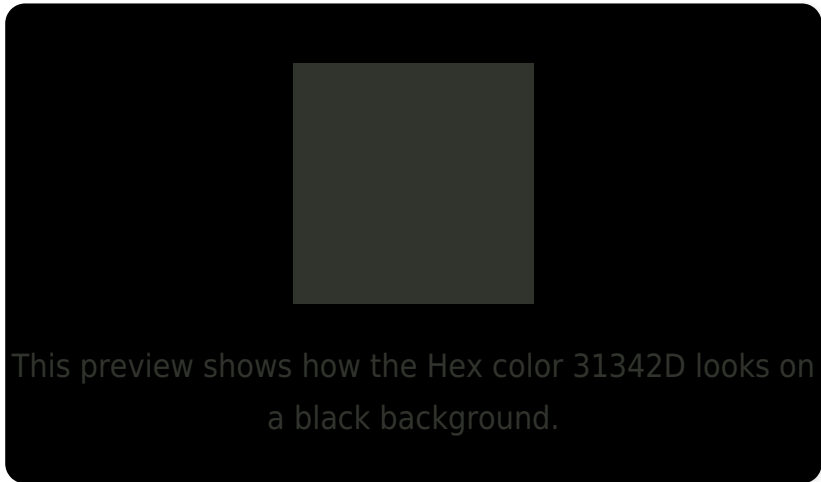
Large Text (above 18pt) WCAG AA ✓ Pass

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

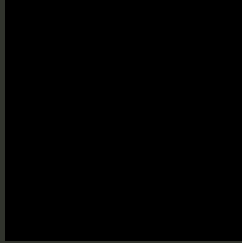
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

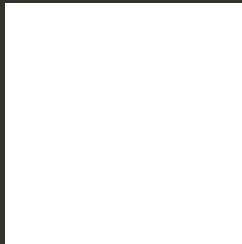
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 31342D Background



This preview shows how black text looks on a background with the Hex color 31342D.

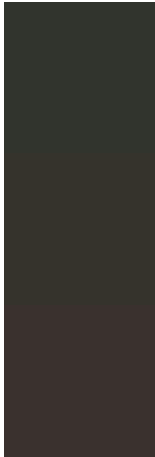


This preview shows how white text looks on a background with the Hex color 31342D.

# 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](#).

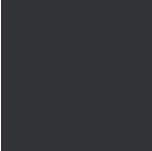
## Dichromacy



**Original Color**  
31342D

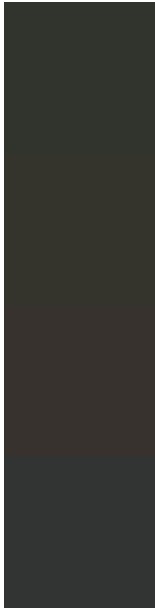
**Protanopia**  
35332C

**Deuteranopia**  
3A312E



**Tritanopia**  
323337

# Trichromacy



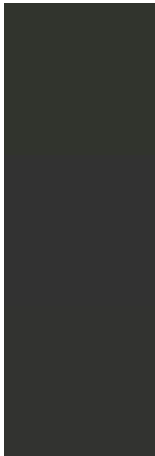
**Original Color**  
31342D

**Protanomaly**  
34332C

**Deuteranomaly**  
37322E

**Tritanomaly**  
323333

# Monochromacy



**Original Color**  
31342D

**Achromatopsia**  
323232

**Achromatomaly**  
323330

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31342D 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 #31342D looks like.

```
.text, #text, p{  
    color:#31342D  
}
```

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 #31342D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31342D
}
```

## Border

The CSS property to change the border of an element to Hex 31342D is called "border". The border property can be set on classes, ids or directly on the HTML element.

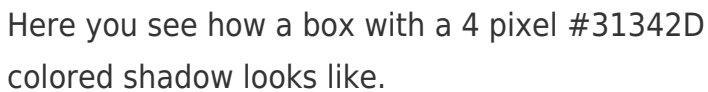
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#31342D }
```

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

```
.border{ border-color:#31342D }
```

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



Here you see how a box with a 4 pixel #31342D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31342D; -webkit-box-shadow:4px 4px  
4px 4px #31342D; box-shadow:4px 4px 4px  
4px #31342D }
```

# Background

The CSS property to change the background color of an element to Hex 31342D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31342D }
```

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

```
.background{ background-color:#31342D }
```

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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