

# Converting Colors

Hex(2A371F)

Have a look what the booklet for  
Hex(2A371F) contains.

<b>Hex(2A371F)</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(2A371F)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A371F
RGB	42, 55, 31
RGB Percent	16%, 22%, 12%
CMY	0.8353, 0.7843, 0.8784
CMYK	0.24, 0.00, 0.44, 0.78
HSL	92°, 28%, 17%
HSV	92°, 44%, 22%
XYZ	2.5684, 3.3235, 1.8025
YIQ	48.3770, -0.0440, -10.2200

# Conversions

## Conversions Part 2

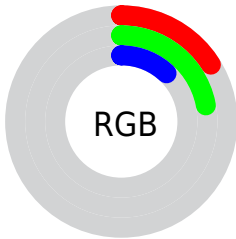
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 55, 44
Decimal	2766623
CIE Lab	21.30, -10.72, 13.33
CIE LCh	21, 17.104, 128.796
Yxy	3.3235, 0.3338, 0.4319
Android (android.graphics.Color)	4280956703 (0xFF2A371F)
YUV	48.3770, -8.5669, -5.5926
Hunter-Lab	18.2306, -6.7562, 6.8994

# Details

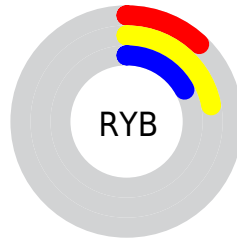
The Hex color **2A371F** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2C1F37**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **58664B**, and **000900** is the 20% darker color. If you saturate the color by 10%, you get **27371A**, and if you desaturate by 10%, it is **2D3725**.

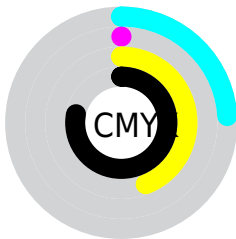
# Distribution



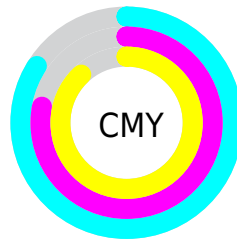
- Red (16%)
- Green (22%)
- Blue (12%)



- Red (12%)
- Yellow (22%)
- Blue (17%)



- Cyan (24%)
- Magenta (0%)
- Yellow (44%)
- Black (78%)



- Cyan (84%)
- Magenta (78%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A371F 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 2A371F by changing the saturation by 10% instead.



■ 2A371F

■ 2A371F

FFFFFF

■ 162208

■ 58664B

■ 000900

■ 707F63

■ 000000

■ 8A997C

■ A4B496

■ C0CFB1

■ DCEBCC

■ F8FFE8

■ 2A371F

■ 2A371F

■ 27371A

■ 2D3725

■ 243714

■ 30372A

■ 21370E

■ 33372F

■ 1E3709

■ 363735

■ 1B3703

■ 39373B

■ 193700

■ 3C3740

■ 3F3746

■ 42374B

■ 453751

# Harmonies

## Analogous

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



38341A



2A371F



1A392A

# Triad

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



2A371F



0F374A



4B2930

# Complementary

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



2A371F



2C1F37

# 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.



462B3D



2A371F



27334C

# Square

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



2A371F



003943



392E47



4A2B24

# Rectangle

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



2A371F



0E3A32



392E47



4A2934



# Sweetspot

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



2A371F



42473E



372C1F



21241E



A3A3A3



242424



# Same Dimension

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



2A371F



334722



1F3720



1B1C19



2A5C00



65DB00



# Inverse Universe

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



2C1F37



362247



371F36



1B191C



32005C



7700DB



# Previews

## White Background



This preview shows how the Hex color 2A371F looks on a white background.

## Color Contrast Check

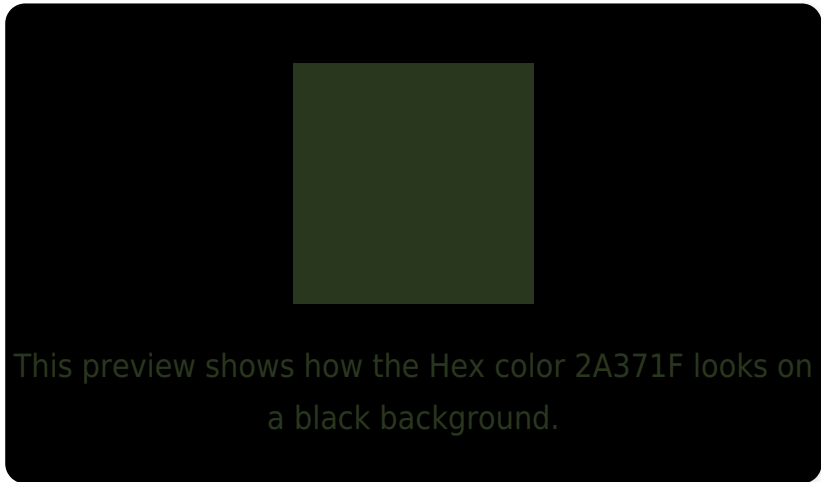
Large Text (above 18pt) WCAG AA ✓ Pass

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

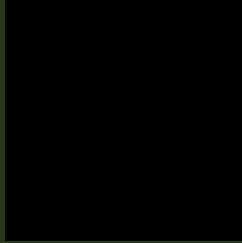
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

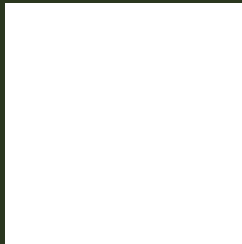
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A371F Background



This preview shows how black text looks on a background with the Hex color 2A371F.



This preview shows how white text looks on a background with the Hex color 2A371F.

# 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](#).

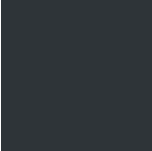
## Dichromacy



**Original Color**  
2A371F

**Protanopia**  
38331E

**Deuteranopia**  
3E3120



**Tritanopia**  
2E3438

# Trichromacy



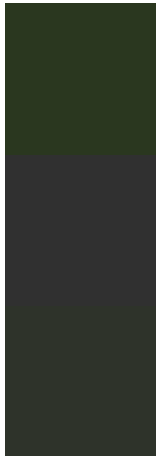
**Original Color**  
2A371F

**Protanomaly**  
33341E

**Deuteranomaly**  
373320

**Tritanomaly**  
2D352F

# Monochromacy



**Original Color**  
2A371F

**Achromatopsia**  
303030

**Achromatomaly**  
2E332A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A371F 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 #2A371F looks like.

```
.text, #text, p{  
    color:#2A371F  
}
```

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 #2A371F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A371F
}
```

## Border

The CSS property to change the border of an element to Hex 2A371F is called "border". The border property can be set on classes, ids or directly on the HTML element.

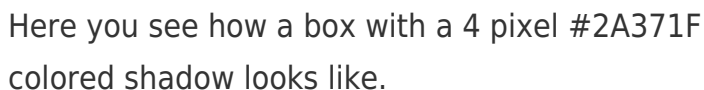
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A371F }
```

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

```
.border{ border-color:#2A371F }
```

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



Here you see how a box with a 4 pixel #2A371F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A371F; -webkit-box-shadow:4px 4px  
4px 4px #2A371F; box-shadow:4px 4px 4px  
4px #2A371F }
```

# Background

The CSS property to change the background color of an element to Hex 2A371F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A371F }
```

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

```
.background{ background-color:#2A371F }
```

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