

# Converting Colors

Hex(42271A)

Have a look what the booklet for  
Hex(42271A) contains.

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**Color**

**Hex(42271A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42271A
RGB	66, 39, 26
RGB Percent	26%, 15%, 10%
CMY	0.7412, 0.8471, 0.8980
CMYK	0.00, 0.41, 0.61, 0.74
HSL	20°, 43%, 18%
HSV	20°, 61%, 26%
XYZ	3.1587, 2.6839, 1.3288
YIQ	45.5910, 20.2650, 1.6810

# Conversions

## Conversions Part 2

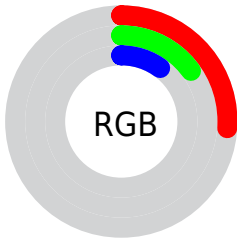
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 45, 26
Decimal	4335386
CIE <sub>Lab</sub>	18.73, 11.05, 13.83
CIE <sub>LCh</sub>	19, 17.707, 51.374
Yxy	2.6839, 0.4405, 0.3742
Android (android.graphics.Color)	4282525466 (0xFF42271A)
YUV	45.5910, -9.6584, 17.8987
Hunter-Lab	16.3825, 5.7474, 6.6586

# Details

The Hex color **42271A** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **1A3542**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **745445**, and **0E0000** is the 20% darker color. If you saturate the color by 10%, you get **422313**, and if you desaturate by 10%, it is **422B21**.

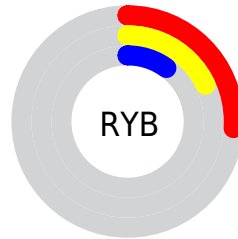
# Distribution



Red (26%)

Green (15%)

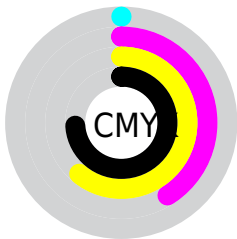
Blue (10%)



Red (26%)

Yellow (18%)

Blue (10%)

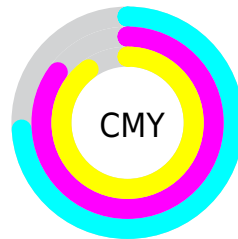


Cyan (0%)

Magenta (41%)

Yellow (61%)

Black (74%)



Cyan (74%)

Magenta (85%)

Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42271A 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 42271A by changing the saturation by 10% instead.



 42271A

 42271A

FFFFFFE

 2C1200

 745445

 0E0000

 8E6C5D

 000000

 A98676

 C5A08F

 E1BBAA

 FED7C5

 FFF3E1

 42271A

 42271A

■ 422313

■ 422B21

■ 421E0D

■ 423027

■ 421A06

■ 42342E

■ 421500

■ 423934

■ 423D3B

■ 424242

■ 424648

■ 424B4F

■ 424F55

# Harmonies

## Analogous

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



462425



42271A



392C14

# Triad

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



42271A



0A3429



292C45

# Complementary

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



42271A



1A3542

# 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.



113047



42271A



003436

# Square

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



42271A



1E331D



003341



3A273E

# Rectangle

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



42271A



312E14



003341



222D47



# Sweetspot

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



42271A



574C47



421A35



2B2522



ABABAB



2B2B2B



# Same Dimension

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



42271A



572C17



423B1A



211F1E



611F00



E04900



# Inverse Universe

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



1A3542



174257



1A2142



1E2021



004161



0097E0



# Previews

## White Background



This preview shows how the Hex color 42271A looks on a white background.

## Color Contrast Check

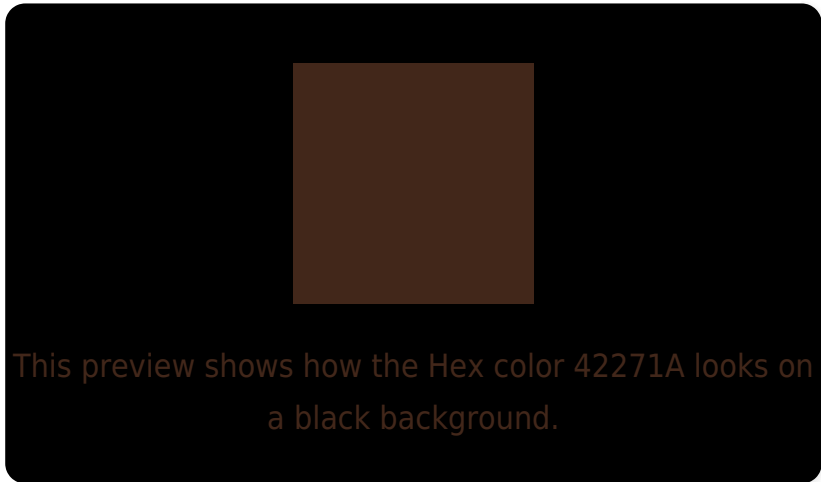
Large Text (above 18pt) WCAG AA ✓ Pass

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

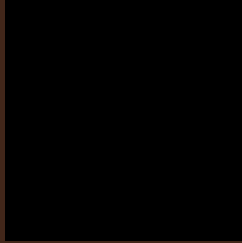
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 42271A Background



This preview shows how black text looks on a background with the Hex color 42271A.

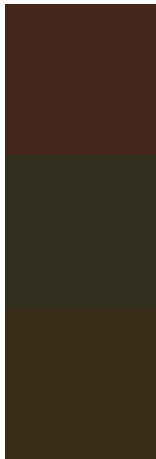


This preview shows how white text looks on a background with the Hex color 42271A.

# 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**  
42271A

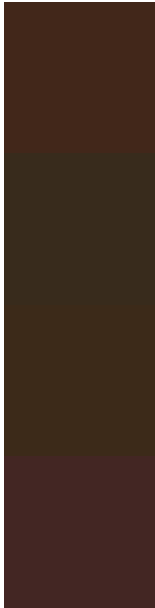
**Protanopia**  
322E1D

**Deuteranopia**  
382C19



**Tritanopia**  
432528

# Trichromacy



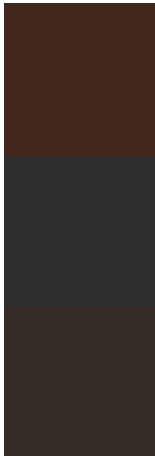
**Original Color**  
42271A

**Protanomaly**  
382B1C

**Deuteranomaly**  
3C2A19

**Tritanomaly**  
432623

# Monochromacy



**Original Color**  
42271A

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
352B27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42271A 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 #42271A looks like.

```
.text, #text, p{  
    color:#42271A  
}
```

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 #42271A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42271A
}
```

## Border

The CSS property to change the border of an element to Hex 42271A 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
#42271A }
```

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

```
.border{ border-color:#42271A }
```

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

Here you see how a box with a 4 pixel #42271A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42271A; -webkit-box-shadow:4px 4px  
4px 4px #42271A; box-shadow:4px 4px 4px  
4px #42271A }
```

# Background

The CSS property to change the background color of an element to Hex 42271A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42271A }
```

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

```
.background{ background-color:#42271A }
```

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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