

# Converting Colors

Hex(402717)

Have a look what the booklet for  
Hex(402717) contains.

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**Color**

**Hex(402717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	402717
RGB	64, 39, 23
RGB Percent	25%, 15%, 9%
CMY	0.7490, 0.8471, 0.9098
CMYK	0.00, 0.39, 0.64, 0.75
HSL	23°, 47%, 17%
HSV	23°, 64%, 25%
XYZ	2.9945, 2.6029, 1.1552
YIQ	44.6510, 20.0360, 0.3240

# Conversions

## Conversions Part 2

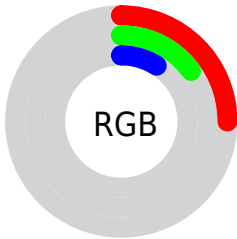
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 49, 23
Decimal	4204311
CIELab	18.38, 9.74, 15.33
CIELCh	18, 18.158, 57.564
Yxy	2.6029, 0.4435, 0.3855
Android (android.graphics.Color)	4282394391 (0xFF402717)
YUV	44.6510, -10.6739, 16.9691
Hunter-Lab	16.1335, 4.8977, 7.0481

# Details

The Hex color **402717** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **173040**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **725442**, and **070000** is the 20% darker color. If you saturate the color by 10%, you get **402311**, and if you desaturate by 10%, it is **402B1D**.

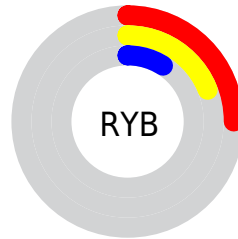
# Distribution



 Red (25%)

 Green (15%)

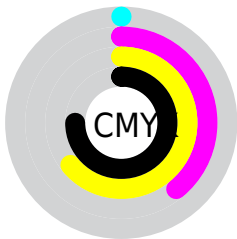
 Blue (9%)



 Red (25%)

 Yellow (19%)

 Blue (9%)

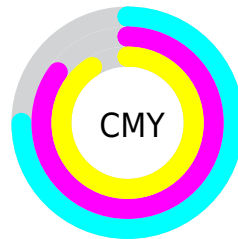


 Cyan (0%)

 Magenta (39%)

 Yellow (64%)

 Black (75%)



 Cyan (75%)

 Magenta (85%)

 Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 402717 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 402717 by changing the saturation by 10% instead.



 402717

 402717

 FFFFFA

 2A1200

 725442

 070000

 8C6C5A

 000000

 A78672

 C2A08C

 DFBBA6

 FCD7C1

 FFF3DD

 402717

 402717

■ 402311

■ 402B1D

■ 401F0A

■ 402F24

■ 401B04

■ 40332A

■ 401900

■ 403731

■ 403B37

■ 403E3D

■ 404244

■ 40464A

■ 404A51

# Harmonies

## Analogous

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



452321



402717



362C12

# Triad

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



402717



02342B



2C2A44

# Complementary

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



402717



173040

# 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.



152E47



402717



003339

# Square

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



402717



19321E



003243



3C253B

# Rectangle

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



402717



2D2E13



003243



252B46



# Sweetspot

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



402717



544A44



401730



2B2521



ABABAB



2B2B2B



# Same Dimension

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



402717



542D13



403B17



211F1E



612600



E05800



# Inverse Universe

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



173040



133B54



171C40



1E2021



003B61



0089E0



# Previews

## White Background



This preview shows how the Hex color 402717 looks on a white background.

## Color Contrast Check

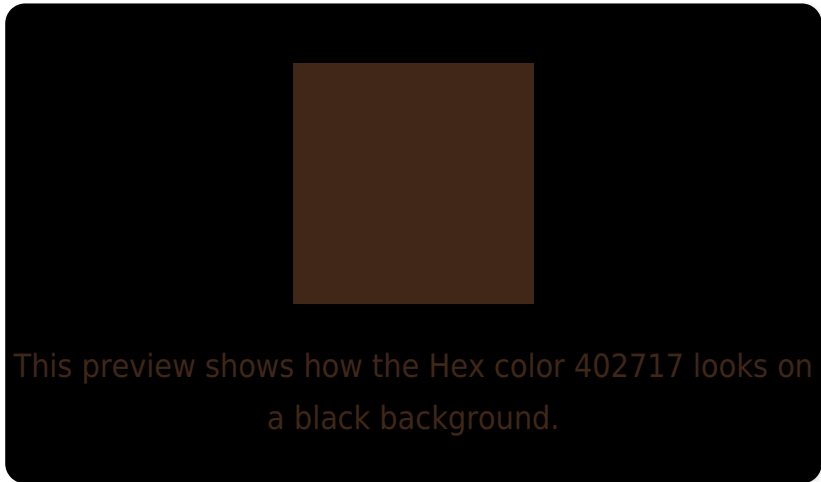
Large Text (above 18pt) WCAG AA ✓ Pass

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

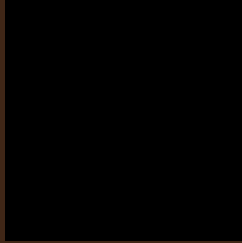
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 402717 Background



This preview shows how black text looks on a background with the Hex color 402717.

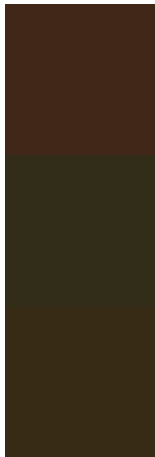


This preview shows how white text looks on a background with the Hex color 402717.

# 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**  
402717

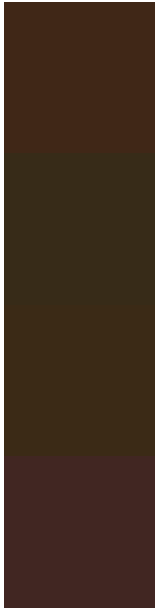
**Protanopia**  
322D19

**Deuteranopia**  
382B16



**Tritanopia**  
412528

# Trichromacy



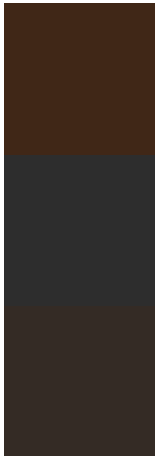
**Original Color**  
402717

**Protanomaly**  
372B18

**Deuteranomaly**  
3B2A16

**Tritanomaly**  
412622

# Monochromacy



**Original Color**  
402717

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
342B25

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 402717 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 #402717 looks like.

```
.text, #text, p{  
    color:#402717  
}
```

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 #402717 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #402717
}
```

## Border

The CSS property to change the border of an element to Hex 402717 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".

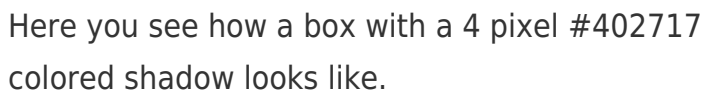
```
.border, #border, table{ border:4px solid
#402717 }
```

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

```
.border{ border-color:#402717 }
```

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

Here you see how a box with a 4 pixel #402717 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #402717; -webkit-box-shadow:4px 4px  
4px 4px #402717; box-shadow:4px 4px 4px  
4px #402717 }
```

# Background

The CSS property to change the background color of an element to Hex 402717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#402717 }
```

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

```
.background{ background-color:#402717 }
```

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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