

# Converting Colors

Hex(80342C)

Have a look what the booklet for  
Hex(80342C) contains.

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**Color**

**Hex(80342C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80342C
RGB	128, 52, 44
RGB Percent	50%, 20%, 17%
CMY	0.4980, 0.7961, 0.8275
CMYK	0.00, 0.59, 0.66, 0.50
HSL	6°, 49%, 34%
HSV	6°, 66%, 50%
XYZ	10.5847, 7.2270, 3.2200
YIQ	73.8120, 47.8640, 13.6240

# Conversions

## Conversions Part 2

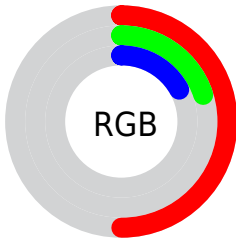
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 53, 44
Decimal	8401964
CIE <sub>Lab</sub>	32.32, 32.29, 21.46
CIE <sub>LCh</sub>	32, 38.769, 33.609
Yxy	7.2270, 0.5033, 0.3436
Android (android.graphics.Color)	4286592044 (0xFF80342C)
YUV	73.8120, -14.6973, 47.5229
Hunter-Lab	26.8831, 23.2354, 11.7167

# Details

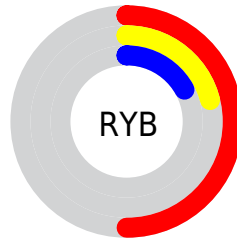
The Hex color **80342C** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **2C7880**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **B9655A**, and **4A0100** is the 20% darker color. If you saturate the color by 10%, you get **80281F**, and if you desaturate by 10%, it is **804039**.

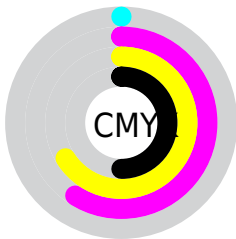
# Distribution



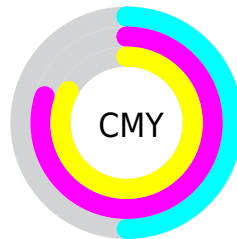
- Red (50%)
- Green (20%)
- Blue (17%)



- Red (50%)
- Yellow (21%)
- Blue (17%)



- Cyan (0%)
- Magenta (59%)
- Yellow (66%)
- Black (50%)



- Cyan (50%)
- Magenta (80%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80342C 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 80342C by changing the saturation by 10% instead.



 80342C

 80342C

FFFFFF

 641C17

 B9655A

 4A0100

 D67F72

 300000

 F49A8C

 000000

 FFB5A6

 FFD1C1

 FFEDDD

 FFFFFA

 80342C

 80342C

■ 80281F

■ 804039

■ 801D12

■ 804B46

■ 801106

■ 805752

■ 800C00

■ 80625F

■ 806E6C

■ 807979

■ 808586

■ 809192

■ 809C9F

# Harmonies

## Analogous

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



822E4A



80342C



714013

# Triad

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



80342C



00582F



004E89

# Complementary

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



80342C



2C7880

# 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.



005682



80342C



005A4F

# Square

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



80342C



395414



005A6D



51427F

# Rectangle

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



80342C



614807



005A6D



005189



# Sweetspot

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



80342C



A68885



802C79



544240



D4D4D4



545454



# Same Dimension

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



80342C



A62F23



805D2C



403A39



800C00



000000



# Inverse Universe

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



2C7880



2399A6



2C4F80



393F40



007380



000000



# Previews

## White Background



This preview shows how the Hex color 80342C looks on a white background.

## Color Contrast Check

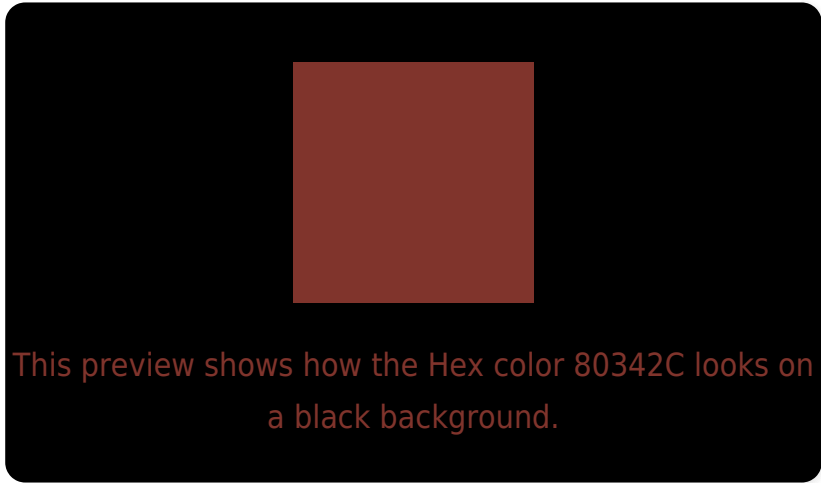
Large Text (above 18pt) WCAG AA ✓ Pass

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

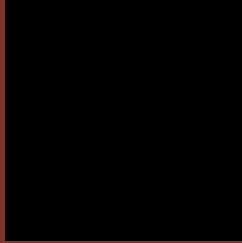
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 80342C Background



This preview shows how black text looks on a background with the Hex color 80342C.

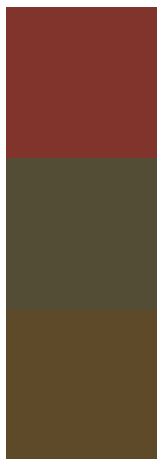


This preview shows how white text looks on a background with the Hex color 80342C.

# 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**  
80342C

**Protanopia**  
534D35

**Deuteranopia**  
5E4928



**Tritanopia**  
803336

# Trichromacy



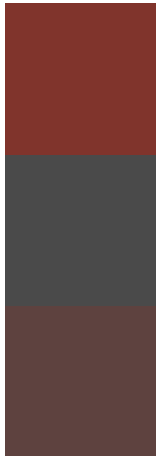
**Original Color**  
80342C

**Protanomaly**  
634432

**Deuteranomaly**  
6A4129

**Tritanomaly**  
803332

# Monochromacy



**Original Color**  
80342C

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
5E423F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80342C 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 #80342C looks like.

```
.text, #text, p{  
    color:#80342C  
}
```

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 #80342C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80342C
}
```

## Border

The CSS property to change the border of an element to Hex 80342C is called "border". The border property can be set on classes, ids or directly on the HTML element.

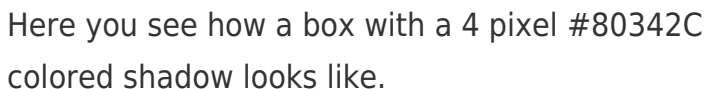
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#80342C }
```

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

```
.border{ border-color:#80342C }
```

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



Here you see how a box with a 4 pixel #80342C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80342C; -webkit-box-shadow:4px 4px  
4px 4px #80342C; box-shadow:4px 4px 4px  
4px #80342C }
```

# Background

The CSS property to change the background color of an element to Hex 80342C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80342C }
```

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

```
.background{ background-color:#80342C }
```

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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