

# Converting Colors

Hex(98312A)

Have a look what the booklet for  
Hex(98312A) contains.

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# Color

**Hex(98312A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98312A
RGB	152, 49, 42
RGB Percent	60%, 19%, 16%
CMY	0.4039, 0.8078, 0.8353
CMYK	0.00, 0.68, 0.72, 0.40
HSL	4°, 57%, 38%
HSV	4°, 72%, 60%
XYZ	14.4651, 9.0392, 3.1728
YIQ	78.9990, 63.6350, 19.6590

# Conversions

## Conversions Part 2

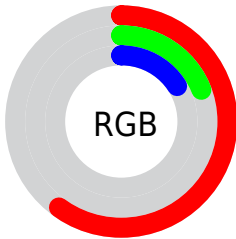
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 49, 42
Decimal	9974058
CIE <sub>Lab</sub>	36.06, 42.56, 28.21
CIE <sub>LCh</sub>	36, 51.059, 33.543
Yxy	9.0392, 0.5422, 0.3388
Android (android.graphics.Color)	4288164138 (0xFF98312A)
YUV	78.9990, -18.2405, 64.0219
Hunter-Lab	30.0653, 33.2665, 14.7887

# Details

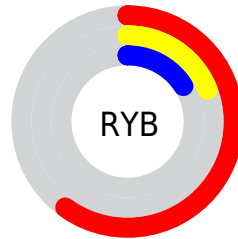
The Hex color **98312A** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **2A9198**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **D46558**, and **5E0000** is the 20% darker color. If you saturate the color by 10%, you get **98231B**, and if you desaturate by 10%, it is **983F39**.

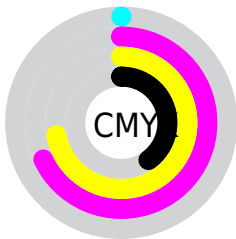
# Distribution



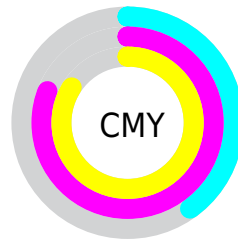
- Red (60%)
- Green (19%)
- Blue (16%)



- Red (60%)
- Yellow (19%)
- Blue (16%)



- Cyan (0%)
- Magenta (68%)
- Yellow (72%)
- Black (40%)



- Cyan (40%)
- Magenta (81%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 98312A 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 98312A by changing the saturation by 10% instead.



 98312A

 98312A

FFFFFF

 7B1515

 D46558

 5E0000

 F27F70

 420000

 FF9A8A

 270001

 FFB6A4

 000000

 FFD2BF

 FFEFDB

 FFFFF8

 98312A

 98312A

■ 98231B

■ 983F39

■ 98150C

■ 984D48

■ 980A00

■ 985C58

■ 986A67

■ 987876

■ 988685

■ 989594

■ 98A3A4

■ 98B1B3

# Harmonies

## Analogous

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



9C2652



98312A



834501

# Triad

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



98312A



00652E



0058A7

# Complementary

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



98312A



2A9198

# 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.



00629E



98312A



006759

# Square

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



98312A



385F00



006781



59479A

# Rectangle

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



98312A



6E5000



006781



005CA7



# Sweetspot

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



98312A



C49C99



982A93



634B4A



E3E3E3



636363



# Same Dimension

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



98312A



C4241A



98672A



4D4545



8C0900



0D0100



# Inverse Universe

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



2A9198



1AB9C4



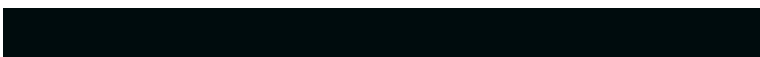
2A5C98



454C4D



00838C



000C0D



# Previews

## White Background



This preview shows how the Hex color 98312A looks on a white background.

## Color Contrast Check

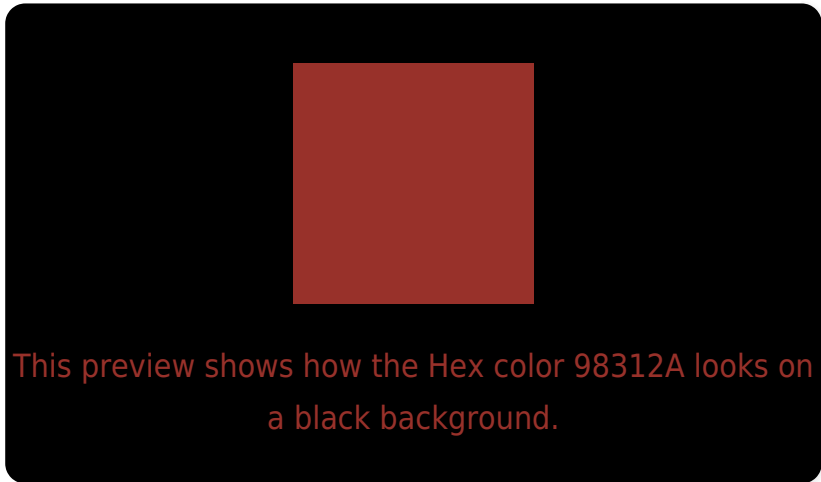
Large Text (above 18pt) WCAG AA ✓ Pass

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 98312A Background



This preview shows how black text looks on a background with the Hex color 98312A.



This preview shows how white text looks on a background with the Hex color 98312A.

# 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**  
98312A

**Protanopia**  
5E5636

**Deuteranopia**  
6B5224



# Trichromacy



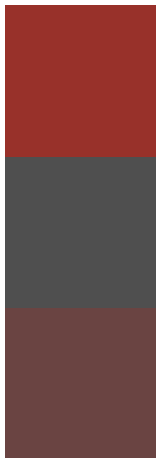
**Original Color**  
98312A

**Protanomaly**  
734932

**Deuteranomaly**  
7B4626

**Tritanomaly**  
98302F

# Monochromacy



**Original Color**  
98312A

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
6A4442

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 98312A 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 #98312A looks like.

```
.text, #text, p{  
    color:#98312A  
}
```

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 #98312A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #98312A
}
```

## Border

The CSS property to change the border of an element to Hex 98312A 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
#98312A }
```

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

```
.border{ border-color:#98312A }
```

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

Here you see how a box with a 4 pixel #98312A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #98312A; -webkit-box-shadow:4px 4px  
4px 4px #98312A; box-shadow:4px 4px 4px  
4px #98312A }
```

# Background

The CSS property to change the background color of an element to Hex 98312A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#98312A }
```

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

```
.background{ background-color:#98312A }
```

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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