

# Converting Colors

Hex(983A22)

Have a look what the booklet for  
Hex(983A22) contains.

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**Color**

**Hex(983A22)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	983A22
RGB	152, 58, 34
RGB Percent	60%, 23%, 13%
CMY	0.4039, 0.7725, 0.8667
CMYK	0.00, 0.62, 0.78, 0.40
HSL	12°, 63%, 36%
HSV	12°, 78%, 60%
XYZ	14.7507, 9.8170, 2.6308
YIQ	83.3700, 63.7280, 12.4640

# Conversions

## Conversions Part 2

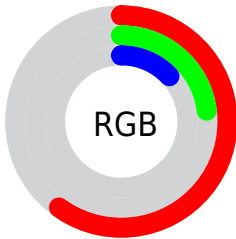
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 64, 34
Decimal	9976354
CIE <sub>Lab</sub>	37.51, 38.04, 34.44
CIE <sub>LCh</sub>	38, 51.317, 42.158
Yxy	9.8170, 0.5423, 0.3609
Android (android.graphics.Color)	4288166434 (0xFF983A22)
YUV	83.3700, -24.3394, 60.1885
Hunter-Lab	31.3321, 29.2039, 16.9542

# Details

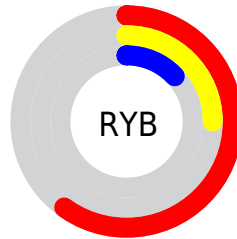
The Hex color **983A22** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **228098**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **D46D50**, and **5E0200** is the 20% darker color. If you saturate the color by 10%, you get **982E13**, and if you desaturate by 10%, it is **984631**.

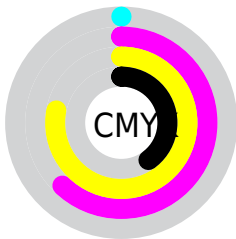
# Distribution



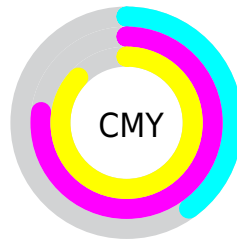
- Red (60%)
- Green (23%)
- Blue (13%)



- Red (60%)
- Yellow (25%)
- Blue (13%)



- Cyan (0%)
- Magenta (62%)
- Yellow (78%)
- Black (40%)



- Cyan (40%)
- Magenta (77%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 983A22 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 983A22 by changing the saturation by 10% instead.





983A22



983A22

FFFFFF



7B200C



D46D50



5E0200



F28768



420000



FFA282



280001



FFBE9C



000000



FFDAB7



FFF7D3



FFFFEF



983A22



983A22

■ 982E13

■ 984631

■ 982204

■ 985240

■ 981F00

■ 985E50

■ 986A5F

■ 98776E

■ 98837D

■ 988F8C

■ 989B9C

■ 98A7AB

# Harmonies

## Analogous

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



A12B49



983A22



7F4D00

# Triad

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



983A22



00693D



0058AA

# Complementary

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



983A22



228098

# 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.



0064A7



983A22



006B69

# Square

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



983A22



2B6512



006A8F



6F4596

# Rectangle

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



983A22



685700



006A8F



005CAC



# Sweetspot

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



983A22



C4A097



982280



634D48



E3E3E3



636363



# Same Dimension

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



983A22



C4330E



987522



4D4645



8C1D00



0D0300



# Inverse Universe

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



228098



0E9FC4



224598



454B4D



00708C



000A0D



# Previews

## White Background



This preview shows how the Hex color 983A22 looks on a white background.

## Color Contrast Check

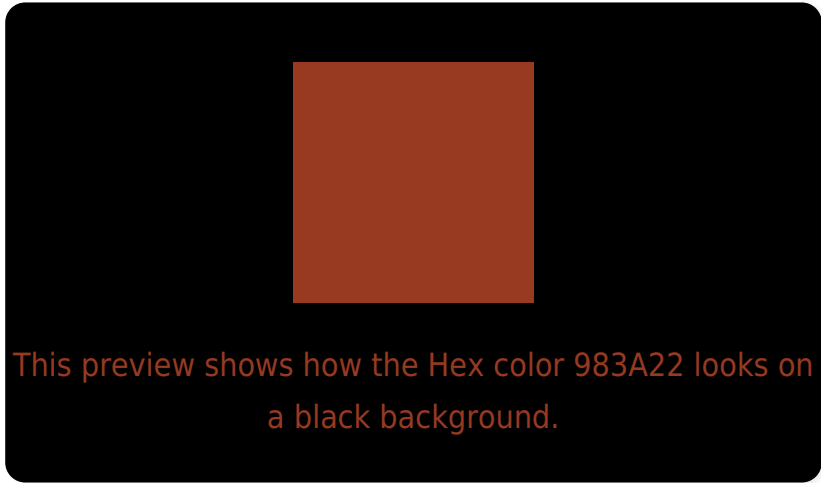
Large Text (above 18pt) WCAG AA ✓ Pass

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 983A22 Background



This preview shows how black text looks on a background with the Hex color 983A22.



This preview shows how white text looks on a background with the Hex color 983A22.

# 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**  
983A22

**Protanopia**  
63592B

**Deuteranopia**  
70551B



**Tritanopia**  
99373A

# Trichromacy



**Original Color**  
983A22

**Protanomaly**  
764E28

**Deuteranomaly**  
7F4B1E

**Tritanomaly**  
993831

# Monochromacy



**Original Color**  
983A22

**Achromatopsia**  
535353

**Achromatomaly**  
6C4A41

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 983A22 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 #983A22 looks like.

```
.text, #text, p{  
    color:#983A22  
}
```

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 #983A22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #983A22
}
```

## Border

The CSS property to change the border of an element to Hex 983A22 is called "border". The border property can be set on classes, ids or directly on the HTML element.

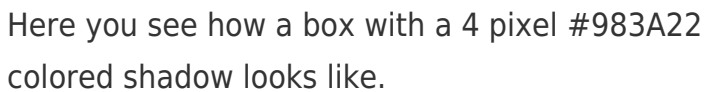
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#983A22 }
```

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

```
.border{ border-color:#983A22 }
```

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



Here you see how a box with a 4 pixel #983A22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #983A22; -webkit-box-shadow:4px 4px  
4px 4px #983A22; box-shadow:4px 4px 4px  
4px #983A22 }
```

# Background

The CSS property to change the background color of an element to Hex 983A22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#983A22 }
```

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

```
.background{ background-color:#983A22 }
```

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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