

# Converting Colors

Hex(933A21)

Have a look what the booklet for  
Hex(933A21) contains.

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**Color**

**Hex(933A21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	933A21
RGB	147, 58, 33
RGB Percent	58%, 23%, 13%
CMY	0.4235, 0.7725, 0.8706
CMYK	0.00, 0.61, 0.78, 0.42
HSL	13°, 63%, 35%
HSV	13°, 78%, 58%
XYZ	13.8202, 9.3390, 2.5130
YIQ	81.7610, 61.0690, 11.0930

# Conversions

## Conversions Part 2

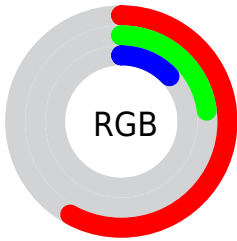
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 65, 33
Decimal	9648673
CIE Lab	36.63, 36.07, 33.80
CIE LCh	37, 49.432, 43.132
Yxy	9.3390, 0.5383, 0.3638
Android (android.graphics.Color)	4287838753 (0xFF933A21)
YUV	81.7610, -24.0392, 57.2146
Hunter-Lab	30.5597, 27.2446, 16.5162

# Details

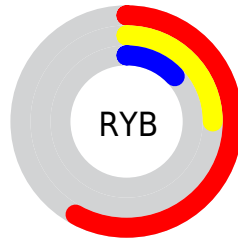
The Hex color **933A21** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **217A93**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **CE6C4F**, and **5A0400** is the 20% darker color. If you saturate the color by 10%, you get **932F12**, and if you desaturate by 10%, it is **934530**.

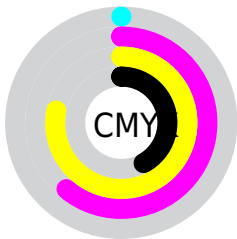
# Distribution



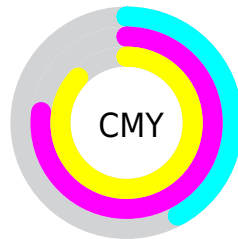
- Red (58%)
- Green (23%)
- Blue (13%)



- Red (58%)
- Yellow (25%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (42%)



- Cyan (42%)
- Magenta (77%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 933A21 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 933A21 by changing the saturation by 10% instead.



 933A21

 933A21

FFFFFF

 76210B

 CE6C4F

 5A0400

 ED8767

 3E0000

 FFA181

 230001

 FFBD9B

 000000

 FFD9B6

 FFF6D2

 FFFFEE

 933A21

 933A21

■ 932F12

■ 934530

■ 932304

■ 93513E

■ 932000

■ 935C4D

■ 93685C

■ 93736A

■ 937F79

■ 938A88

■ 939697

■ 93A1A5

# Harmonies

## Analogous

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



9C2C46



933A21



7B4C00

# Triad

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



933A21



00673E



1455A4

# Complementary

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



933A21



217A93

# 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.



0061A2



933A21



006867

# Square

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



933A21



296215



00678C



6D4391

# Rectangle

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



933A21



655600



00678C



005AA6



# Sweetspot

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



933A21



BF9D93



93217A



614C46



E0E0E0



616161



# Same Dimension

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



933A21



BF340D



937321



4A4443



8A1E00



0A0200



# Inverse Universe

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



217A93



0D98BF



214193



43484A



006C8A



00080A



# Previews

## White Background



This preview shows how the Hex color 933A21 looks on a white background.

## Color Contrast Check

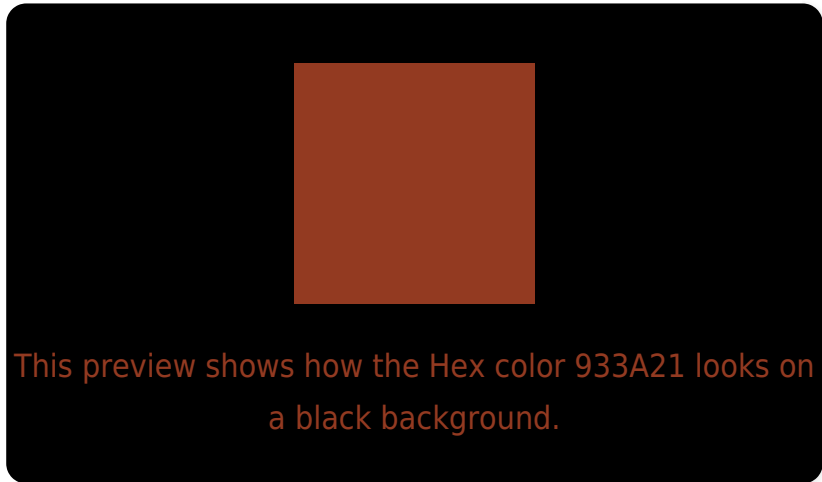
Large Text (above 18pt) WCAG AA ✓ Pass

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 933A21 Background



This preview shows how black text looks on a background with the Hex color 933A21.



This preview shows how white text looks on a background with the Hex color 933A21.

# 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**  
933A21

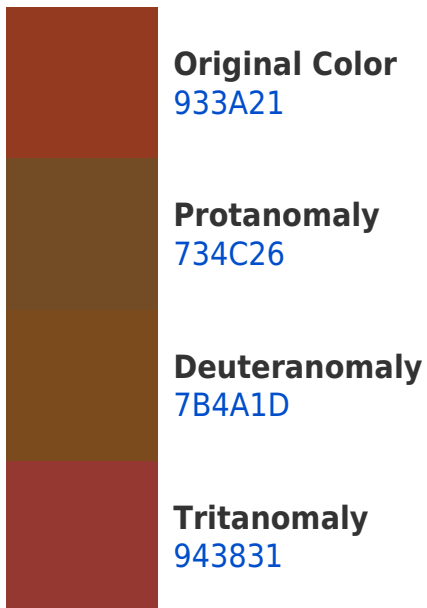
**Protanopia**  
605729

**Deuteranopia**  
6D531A

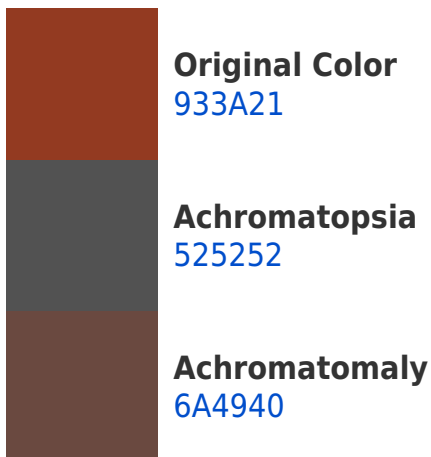


**Tritanopia**  
94373A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 933A21 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 #933A21 looks like.

```
.text, #text, p{  
    color:#933A21  
}
```

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 #933A21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #933A21
}
```

## Border

The CSS property to change the border of an element to Hex 933A21 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
#933A21 }
```

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

```
.border{ border-color:#933A21 }
```

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

Here you see how a box with a 4 pixel #933A21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #933A21; -webkit-box-shadow:4px 4px  
4px 4px #933A21; box-shadow:4px 4px 4px  
4px #933A21 }
```

# Background

The CSS property to change the background color of an element to Hex 933A21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#933A21 }
```

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

```
.background{ background-color:#933A21 }
```

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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