

# Converting Colors

Hex(90442B)

Have a look what the booklet for  
Hex(90442B) contains.

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**Color**

**Hex(90442B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	90442B
RGB	144, 68, 43
RGB Percent	56%, 27%, 17%
CMY	0.4353, 0.7333, 0.8314
CMYK	0.00, 0.53, 0.70, 0.44
HSL	15°, 54%, 37%
HSV	15°, 70%, 56%
XYZ	14.0048, 10.2380, 3.5235
YIQ	87.8740, 53.3210, 8.3370

# Conversions

## Conversions Part 2

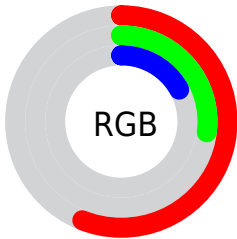
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 76, 43
Decimal	9454635
CIELab	38.27, 30.18, 29.83
CIELCh	38, 42.435, 44.662
Yxy	10.2380, 0.5044, 0.3687
Android (android.graphics.Color)	4287644715 (0xFF90442B)
YUV	87.8740, -22.1229, 49.2225
Hunter-Lab	31.9968, 22.1337, 15.8687

# Details

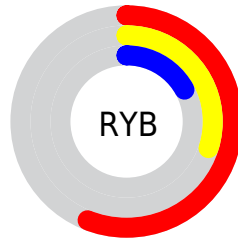
The Hex color **90442B** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **2B7790**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **CA7659**, and **581400** is the 20% darker color. If you saturate the color by 10%, you get **90391D**, and if you desaturate by 10%, it is **904F39**.

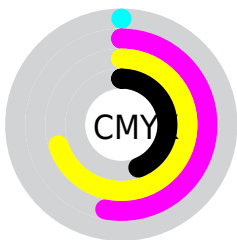
# Distribution



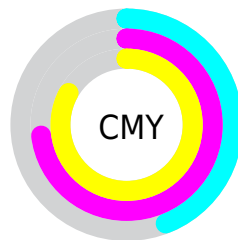
- Red (56%)
- Green (27%)
- Blue (17%)



- Red (56%)
- Yellow (30%)
- Blue (17%)



- Cyan (0%)
- Magenta (53%)
- Yellow (70%)
- Black (44%)



- Cyan (44%)
- Magenta (73%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90442B 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 90442B by changing the saturation by 10% instead.



 90442B

 90442B

FFFFFF

 742C15

 CA7659

 581400

 E89072

 3D0000

 FFAB8C

 240001

 FFC7A6

 000000

 FFE3C2

 FFFFDE

 FFFFFA

 90442B

 90442B

90391D

904F39

902E0E

905A48

902400

906556

906F65

907A73

908581

909090

909B9E

90A6AD

# Harmonies

## Analogous

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



993A4B



90442B



7A5213

# Triad

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



90442B



006947



37589D

# Complementary

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



90442B



2B7790

# 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.



00639C



90442B



006B6A

# Square

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



90442B



346526



00698A



714A8B

# Rectangle

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



90442B



675A0C



00698A



065C9F



# Sweetspot

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



90442B



BA9D93



902B78



5E4D47



DEDEDE



5E5E5E



# Same Dimension

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



90442B



BA441E



90752B



474240



872100



080200



# Inverse Universe

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



2B7790



1E93BA



2B4690



404647



006687



000608



# Previews

## White Background



This preview shows how the Hex color 90442B looks on a white background.

## Color Contrast Check

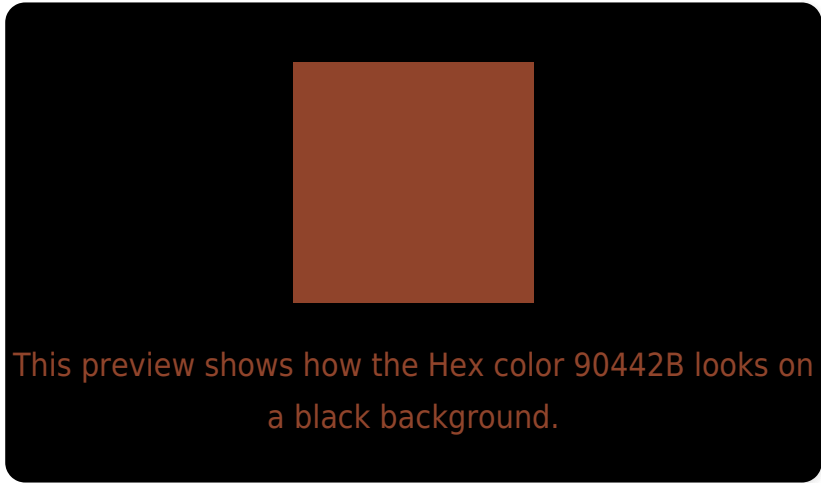
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 90442B Background



This preview shows how black text looks on a background with the Hex color 90442B.



This preview shows how white text looks on a background with the Hex color 90442B.

# 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**  
90442B

**Protanopia**  
645B33

**Deuteranopia**  
715627



**Tritanopia**  
914145

# Trichromacy



**Original Color**  
90442B

**Protanomaly**  
745330

**Deuteranomaly**  
7C4F28

**Tritanomaly**  
91423C

# Monochromacy



**Original Color**  
90442B

**Achromatopsia**  
585858

**Achromatomaly**  
6C5148

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90442B 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 #90442B looks like.

```
.text, #text, p{  
    color:#90442B  
}
```

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 #90442B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90442B  
}
```

## Border

The CSS property to change the border of an element to Hex 90442B is called "border". The border property can be set on classes, ids or directly on the HTML element.

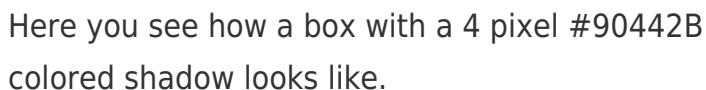
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#90442B }
```

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

```
.border{ border-color:#90442B }
```

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



Here you see how a box with a 4 pixel #90442B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90442B; -webkit-box-shadow:4px 4px  
4px 4px #90442B; box-shadow:4px 4px 4px  
4px #90442B }
```

# Background

The CSS property to change the background color of an element to Hex 90442B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90442B }
```

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

```
.background{ background-color:#90442B }
```

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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