

# Converting Colors

Hex(5A4522)

Have a look what the booklet for  
Hex(5A4522) contains.

<b>Hex(5A4522)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(5A4522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A4522
RGB	90, 69, 34
RGB Percent	35%, 27%, 13%
CMY	0.6471, 0.7294, 0.8667
CMYK	0.00, 0.23, 0.62, 0.65
HSL	37°, 45%, 24%
HSV	37°, 62%, 35%
XYZ	6.6333, 6.5454, 2.4271
YIQ	71.2890, 23.7510, -6.4330

# Conversions

## Conversions Part 2

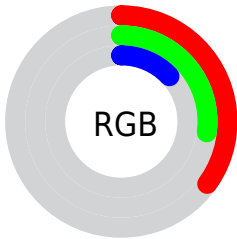
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 90, 34
Decimal	5915938
CIELab	30.75, 4.35, 24.31
CIElCh	31, 24.701, 79.846
Yxy	6.5454, 0.4251, 0.4194
Android (android.graphics.Color)	4284106018 (0xFF5A4522)
YUV	71.2890, -18.3835, 16.4095
Hunter-Lab	25.5840, 1.5088, 12.2839

# Details

The Hex color **5A4522** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **22375A**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **8E7550**, and **2A1A00** is the 20% darker color. If you saturate the color by 10%, you get **5A4219**, and if you desaturate by 10%, it is **5A482B**.

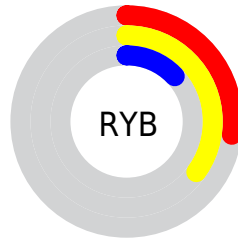
# Distribution



Red (35%)

Green (27%)

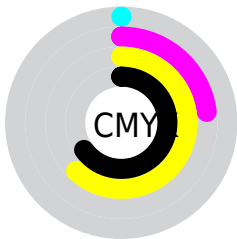
Blue (13%)



Red (27%)

Yellow (35%)

Blue (13%)

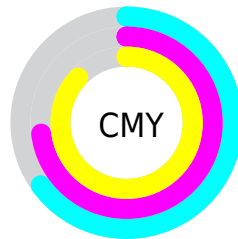


Cyan (0%)

Magenta (23%)

Yellow (62%)

Black (65%)



Cyan (65%)

Magenta (73%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A4522 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 5A4522 by changing the saturation by 10% instead.



 5A4522

 5A4522

FFFFFF

 412F0C

 8E7550

 2A1A00

 A98F68

 0F0000

 C5A981

 000000

 E1C49B

 FEE0B6

 FFFDD2

 FFFFEE

 5A4522

 5A4522

■ 5A4219

■ 5A482B

■ 5A3E10

■ 5A4C34

■ 5A3B07

■ 5A4F3D

■ 5A3800

■ 5A5346

■ 5A564F

■ 5A5958

■ 5A5D61

■ 5A606A

■ 5A6373

# Harmonies

## Analogous

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



673E2C



5A4522



484B23

# Triad

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



5A4522



005255



5A3F61

# Complementary

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



5A4522



22375A

# 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.



40466D



5A4522



005165

# Square

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



5A4522



135241



194C6E



693950

# Rectangle

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



5A4522



394E2A



194C6E



524166



# Sweetspot

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



5A4522



756D5F



5A2237



3B362D



BABABA



3B3B3B



# Same Dimension

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



5A4522



75541D



535A22



2E2C29



6E4500



ED9400



# Inverse Universe

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



22375A



1D3E75



29225A



292B2E



00296E



0059ED



# Previews

## White Background



This preview shows how the Hex color 5A4522 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

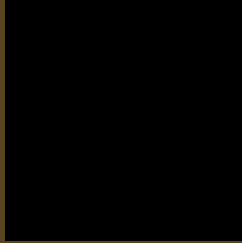
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A4522 Background



This preview shows how black text looks on a background with the Hex color 5A4522.



This preview shows how white text looks on a background with the Hex color 5A4522.

# 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**  
5A4522

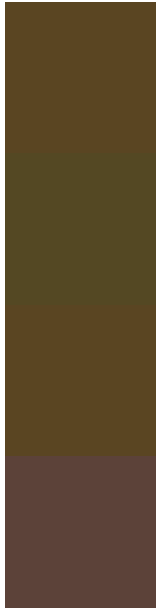
**Protanopia**  
504923

**Deuteranopia**  
5A4522



**Tritanopia**  
5D4146

# Trichromacy



**Original Color**  
5A4522

**Protanomaly**  
544823

**Deuteranomaly**  
5A4522

**Tritanomaly**  
5C4239

# Monochromacy



**Original Color**  
5A4522

**Achromatopsia**  
474747

**Achromatomaly**  
4E463A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A4522 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 #5A4522 looks like.

```
.text, #text, p{  
    color:#5A4522  
}
```

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 #5A4522 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A4522
}
```

## Border

The CSS property to change the border of an element to Hex 5A4522 is called "border". The border property can be set on classes, ids or directly on the HTML element.

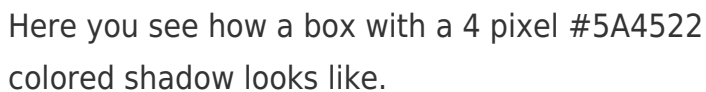
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5A4522 }
```

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

```
.border{ border-color:#5A4522 }
```

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



Here you see how a box with a 4 pixel #5A4522 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A4522; -webkit-box-shadow:4px 4px  
4px 4px #5A4522; box-shadow:4px 4px 4px  
4px #5A4522 }
```

# Background

The CSS property to change the background color of an element to Hex 5A4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A4522 }
```

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

```
.background{ background-color:#5A4522 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor