

# Converting Colors

Hex(4B5522)

Have a look what the booklet for  
Hex(4B5522) contains.

<b>Hex(4B5522)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(4B5522)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B5522
RGB	75, 85, 34
RGB Percent	29%, 33%, 13%
CMY	0.7059, 0.6667, 0.8667
CMYK	0.12, 0.00, 0.60, 0.67
HSL	72°, 43%, 23%
HSV	72°, 60%, 33%
XYZ	6.4389, 8.1083, 2.7391
YIQ	76.1960, 10.4110, -17.9810

# Conversions

## Conversions Part 2

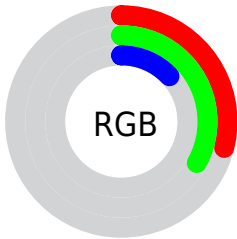
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	34, 85, 44
Decimal	4936994
CIE Lab	34.21, -12.59, 27.96
CIE LCh	34, 30.664, 114.231
Yxy	8.1083, 0.3725, 0.4691
Android (android.graphics.Color)	4283127074 (0xFF4B5522)
YUV	76.1960, -20.8026, -1.0489
Hunter-Lab	28.4752, -9.4686, 14.2294

# Details

The Hex color **4B5522** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2C2255**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **7D8750**, and **1E2800** is the 20% darker color. If you saturate the color by 10%, you get **495519**, and if you desaturate by 10%, it is **4D552A**.

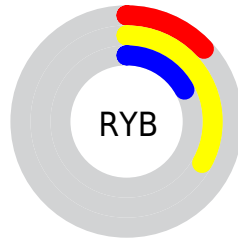
# Distribution



Red (29%)

Green (33%)

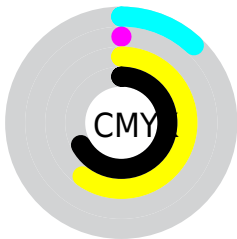
Blue (13%)



Red (13%)

Yellow (33%)

Blue (17%)

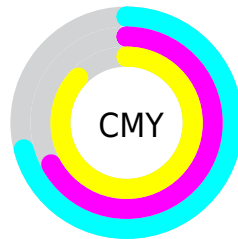


Cyan (12%)

Magenta (0%)

Yellow (60%)

Black (67%)



Cyan (71%)

Magenta (67%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B5522 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 4B5522 by changing the saturation by 10% instead.



 4B5522

 4B5522

FFFFFF

 333E0B

 7D8750

 1E2800

 97A169

 001500

 B3BC83

 000000

 CED89D

 EBF4B8

 FFFFD4

 FFFFF0

 4B5522

 4B5522

■ 495519

■ 4D552A

■ 485511

■ 4E5533

■ 465508

■ 50553B

■ 445500

■ 525544

■ 53554C

■ 555555

■ 57555E

■ 585566

■ 5A556E

# Harmonies

## Analogous

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



634D1E



4B5522



2D5A33

# Triad

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



4B5522



005A77



7B3C56

# Complementary

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



4B5522



2C2255

# 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.



6A426D



4B5522



115481

# Square

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



4B5522



005D64



4A4C7D



7E3D3E

# Rectangle

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



4B5522



0C5C42



4A4C7D



773D5E



# Sweetspot

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



4B5522



6A6E5A



552B22



36382C



B8B8B8



383838



# Same Dimension

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



4B5522



5E6E1F



325522



2B2B27



566B00



BDEB00



# Inverse Universe

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



2C2255



2E1F6E



452255



28272B



15006B



2E00EB



# Previews

## White Background



This preview shows how the Hex color 4B5522 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

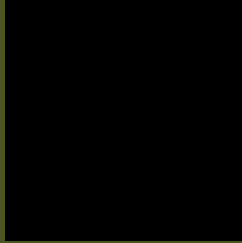
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B5522 Background



This preview shows how black text looks on a background with the Hex color 4B5522.



This preview shows how white text looks on a background with the Hex color 4B5522.

# 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**  
4B5522

**Protanopia**  
5A5121

**Deuteranopia**  
634C24



**Tritanopia**  
515056

# Trichromacy



**Original Color**  
4B5522

**Protanomaly**  
55221

**Deuteranomaly**  
5A4F23

**Tritanomaly**  
4F5243

# Monochromacy



**Original Color**  
4B5522

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
4C4F3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B5522 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 #4B5522 looks like.

```
.text, #text, p{  
    color:#4B5522  
}
```

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 #4B5522 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B5522
}
```

## Border

The CSS property to change the border of an element to Hex 4B5522 is called "border". The border property can be set on classes, ids or directly on the HTML element.

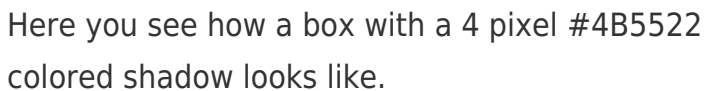
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4B5522 }
```

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

```
.border{ border-color:#4B5522 }
```

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



Here you see how a box with a 4 pixel #4B5522 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B5522; -webkit-box-shadow:4px 4px  
4px 4px #4B5522; box-shadow:4px 4px 4px  
4px #4B5522 }
```

# Background

The CSS property to change the background color of an element to Hex 4B5522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B5522 }
```

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

```
.background{ background-color:#4B5522 }
```

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