

# Converting Colors

Hex(454A22)

Have a look what the booklet for  
Hex(454A22) contains.

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**Color**

**Hex(454A22)**

# Conversions

## Conversions Part 1

Format	Color
Hex	454A22
RGB	69, 74, 34
RGB Percent	27%, 29%, 13%
CMY	0.7294, 0.7098, 0.8667
CMYK	0.07, 0.00, 0.54, 0.71
HSL	68°, 37%, 21%
HSV	68°, 54%, 29%
XYZ	5.1918, 6.2783, 2.4516
YIQ	67.9450, 9.8600, -13.5000

# Conversions

## Conversions Part 2

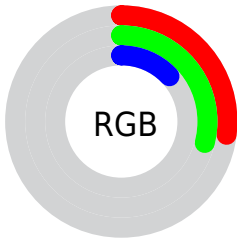
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 74, 39
Decimal	4540962
CIE Lab	30.10, -9.01, 23.01
CIE LCh	30, 24.716, 111.383
Yxy	6.2783, 0.3729, 0.4510
Android (android.graphics.Color)	4282731042 (0xFF454A22)
YUV	67.9450, -16.7349, 0.9252
Hunter-Lab	25.0565, -6.8632, 11.7385

# Details

The Hex color **454A22** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **27224A**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **767B50**, and **191E00** is the 20% darker color. If you saturate the color by 10%, you get **444A1B**, and if you desaturate by 10%, it is **464A29**.

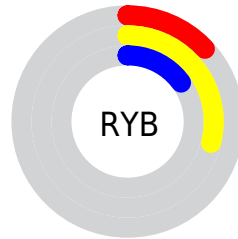
# Distribution



Red (27%)

Green (29%)

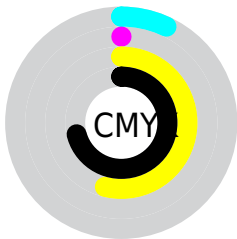
Blue (13%)



Red (13%)

Yellow (29%)

Blue (15%)

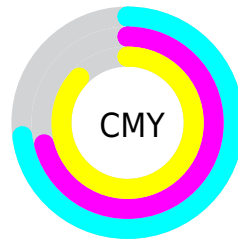


Cyan (7%)

Magenta (0%)

Yellow (54%)

Black (71%)



Cyan (73%)

Magenta (71%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 454A22 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 454A22 by changing the saturation by 10% instead.





454A22



454A22

FFFFFF



2E330C



767B50



191E00



909468



000100



ABAF81



000000



C7CA9B



E3E6B6



FFFFD2



FFFFEF



454A22



454A22

■ 444A1B

■ 464A29

■ 434A13

■ 474A31

■ 424A0C

■ 484A38

■ 414A04

■ 494A40

■ 414A00

■ 4A4A47

■ 4B4A4E

■ 4B4A56

■ 4C4A5D

■ 4D4A65

# Harmonies

## Analogous

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



584420



454A22



2F4E2E

# Triad

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



454A22



004F64



68384D

# Complementary

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



454A22



27224A

# 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.



593D5F



454A22



1A4B6D

# Square

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



454A22



005154



40446B



6B383A

# Rectangle

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



454A22



1C503A



40446B



643954



# Sweetspot

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



454A22



5F6151



4A2722



2F3027



B0B0B0



303030



# Same Dimension

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



454A22



596122



314A22



262622



596600



C9E600



# Inverse Universe

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



27224A



2A2261



3B224A



232226



0D0066



1D00E6



# Previews

## White Background



This preview shows how the Hex color 454A22 looks on a white background.

## Color Contrast Check

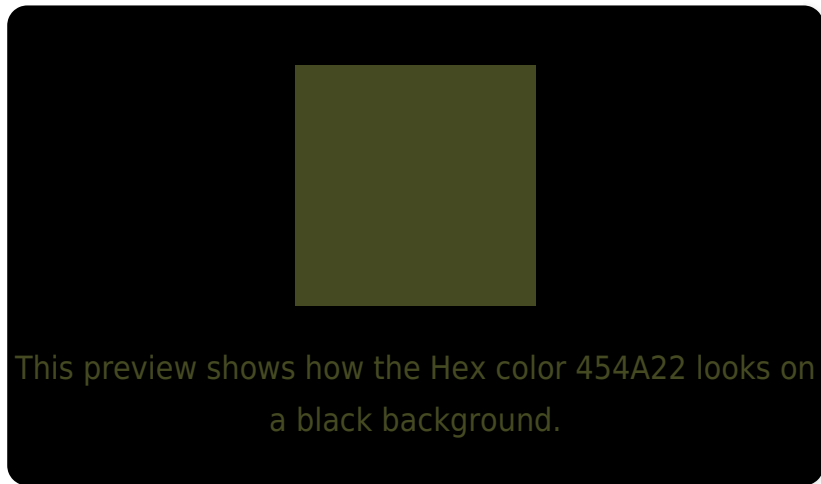
Large Text (above 18pt) WCAG AA ✓ Pass

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

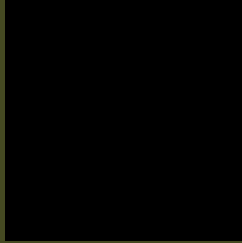
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 454A22 Background



This preview shows how black text looks on a background with the Hex color 454A22.



This preview shows how white text looks on a background with the Hex color 454A22.

# 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**  
454A22

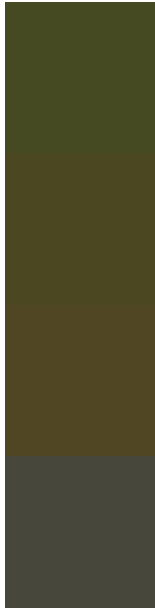
**Protanopia**  
4F4721

**Deuteranopia**  
574424



**Tritanopia**  
49464B

# Trichromacy



**Original Color**  
454A22

**Protanomaly**  
4B4821

**Deuteranomaly**  
504623

**Tritanomaly**  
48473C

# Monochromacy



**Original Color**  
454A22

**Achromatopsia**  
444444

**Achromatomaly**  
444638

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 454A22 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 #454A22 looks like.

```
.text, #text, p{  
    color:#454A22  
}
```

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 #454A22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #454A22
}
```

## Border

The CSS property to change the border of an element to Hex 454A22 is called "border". The border property can be set on classes, ids or directly on the HTML element.

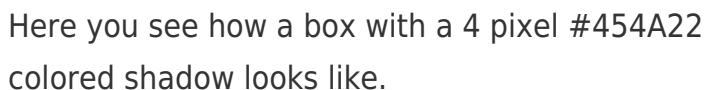
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#454A22 }
```

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

```
.border{ border-color:#454A22 }
```

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



Here you see how a box with a 4 pixel #454A22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #454A22; -webkit-box-shadow:4px 4px  
4px 4px #454A22; box-shadow:4px 4px 4px  
4px #454A22 }
```

# Background

The CSS property to change the background color of an element to Hex 454A22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#454A22 }
```

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

```
.background{ background-color:#454A22 }
```

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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