

# Converting Colors

Hex(449B23)

Have a look what the booklet for  
Hex(449B23) contains.

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**Color**

**Hex(449B23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	449B23
RGB	68, 155, 35
RGB Percent	27%, 61%, 14%
CMY	0.7333, 0.3922, 0.8627
CMYK	0.56, 0.00, 0.77, 0.39
HSL	104°, 63%, 37%
HSV	104°, 77%, 61%
XYZ	14.4086, 24.7930, 5.6162
YIQ	115.3070, -13.3320, -55.7640

# Conversions

## Conversions Part 2

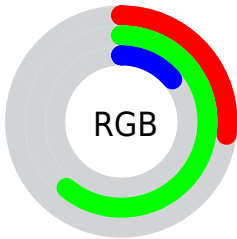
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 155, 122
Decimal	4496163
CIELab	56.87, -47.51, 51.19
CIELCh	57, 69.840, 132.860
Yxy	24.7930, 0.3215, 0.5532
Android (android.graphics.Color)	4282686243 (0xFF449B23)
YUV	115.3070, -39.5914, -41.4882
Hunter-Lab	49.7926, -35.4839, 28.1673

# Details

The Hex color **449B23** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7A239B**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **7DD259**, and **006700** is the 20% darker color. If you saturate the color by 10%, you get **399B13**, and if you desaturate by 10%, it is **4F9B33**.

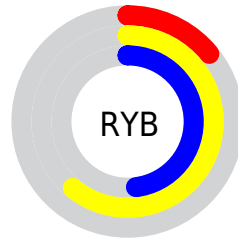
# Distribution



Red (27%)

Green (61%)

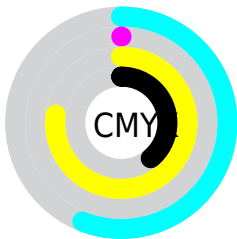
Blue (14%)



Red (14%)

Yellow (61%)

Blue (48%)

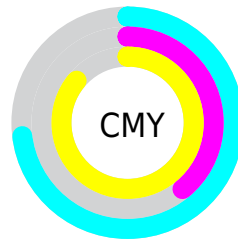


Cyan (56%)

Magenta (0%)

Yellow (77%)

Black (39%)



Cyan (73%)

Magenta (39%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 449B23 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 449B23 by changing the saturation by 10% instead.





449B23



449B23

FFFFFF



248000



7DD259



006700



99EF73



004E00



B6FF8E



003600



D3FFAA



002000



F1FFC6



000000



FFFFE3



449B23



449B23



399B13



4F9B33

■ 2E9B04

■ 5A9B42

■ 2B9B00

■ 669B51

■ 719B61

■ 7C9B71

■ 879B80

■ 939B8F

■ 9E9B9F

■ A99BAE

# Harmonies

## Analogous

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



8C8E00



449B23



00A262

# Triad

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



449B23



0099FD



F44671

# Complementary

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



449B23



7A239B

# 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.



E34EAE



449B23



1687FF

# Square

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



449B23



00A2DA



AB6BE3



E65D37

# Rectangle

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



449B23



00A48D



AB6BE3



F24585



# Sweetspot

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



449B23



A8C99B



9B7923



516649



E6E6E6



666666



# Same Dimension

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



449B23



42C90E



239B3D



474D45



278C00



040D00



# Inverse Universe

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



7A239B



960EC9



9B2381



4A454D



66008C



09000D



# Previews

## White Background



This preview shows how the Hex color 449B23 looks on a white background.

## Color Contrast Check

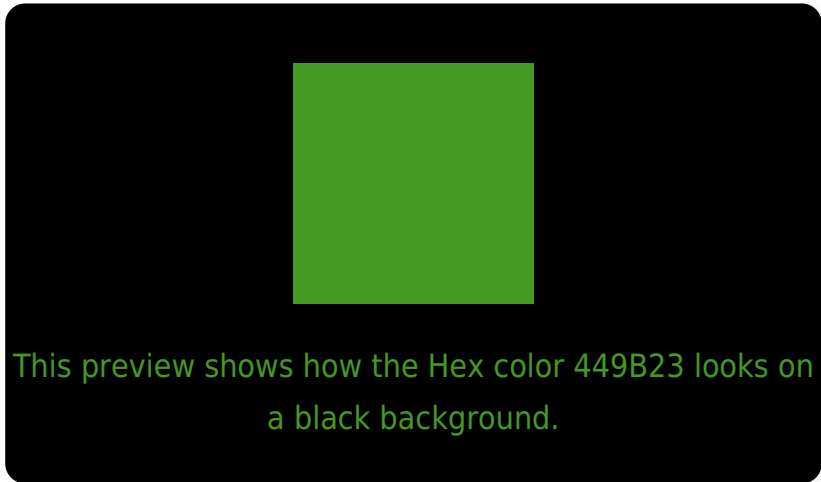
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 449B23 Background



This preview shows how black text looks on a background with the Hex color 449B23.

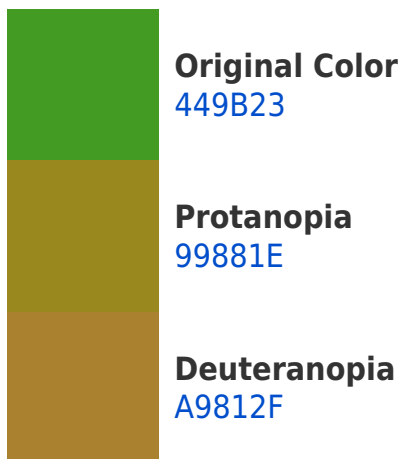


This preview shows how white text looks on a background with the Hex color 449B23.

# 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](#).

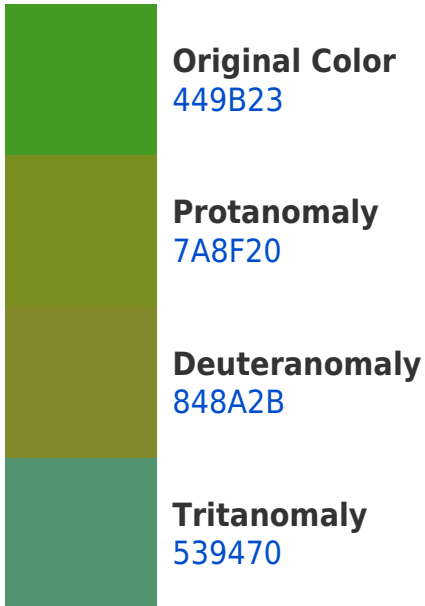
## Dichromacy





**Tritanopia**  
5B909C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 449B23 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 #449B23 looks like.

```
.text, #text, p{  
    color:#449B23  
}
```

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 #449B23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #449B23
}
```

## Border

The CSS property to change the border of an element to Hex 449B23 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
#449B23 }
```

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

```
.border{ border-color:#449B23 }
```

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

Here you see how a box with a 4 pixel #449B23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #449B23; -webkit-box-shadow:4px 4px  
4px 4px #449B23; box-shadow:4px 4px 4px  
4px #449B23 }
```

# Background

The CSS property to change the background color of an element to Hex 449B23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#449B23 }
```

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

```
.background{ background-color:#449B23 }
```

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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