

# Converting Colors

Hex(489E4B)

Have a look what the booklet for  
Hex(489E4B) contains.

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# Color

Hex(489E4B)

# Conversions

## Conversions Part 1

Format	Color
Hex	489E4B
RGB	72, 158, 75
RGB Percent	28%, 62%, 29%
CMY	0.7176, 0.3804, 0.7059
CMYK	0.54, 0.00, 0.53, 0.38
HSL	122°, 37%, 45%
HSV	122°, 54%, 62%
XYZ	16.1693, 26.3394, 10.8884
YIQ	122.8240, -24.6130, -44.0450

# Conversions

## Conversions Part 2

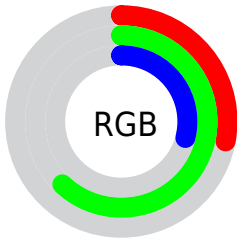
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 155, 158
Decimal	4759115
CIELab	58.36, -43.46, 35.37
CIElCh	58, 56.035, 140.859
Yxy	26.3394, 0.3028, 0.4933
Android (android.graphics.Color)	4282949195 (0xFF489E4B)
YUV	122.8240, -23.5772, -44.5726
Hunter-Lab	51.3220, -33.5757, 23.3465

# Details

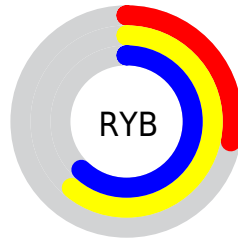
The Hex color **489E4B** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9E489B**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **7FD57E**, and **006A1A** is the 20% darker color. If you saturate the color by 10%, you get **389E3C**, and if you desaturate by 10%, it is **589E5A**.

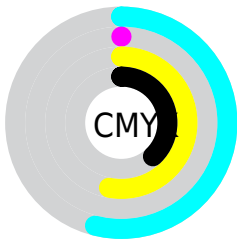
# Distribution



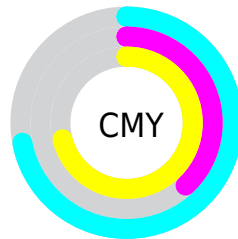
- Red (28%)
- Green (62%)
- Blue (29%)



- Red (28%)
- Yellow (61%)
- Blue (62%)



- Cyan (54%)
- Magenta (0%)
- Yellow (53%)
- Black (38%)



- Cyan (72%)
- Magenta (38%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 489E4B 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 489E4B by changing the saturation by 10% instead.





489E4B



489E4B

FFFFFF



2B8333



7FD57E



006A1A



9BF298



005100



B8FFB3



003900



D4FFCF



002400



F2FFEC



000000



489E4B



489E4B



389E3C



589E5A



289E2D



689E69

■ 199E1D

■ 779E79

■ 099E0E

■ 879E88

■ 009E06

■ 979E97

■ A79EA6

■ B79EB6

■ C69EC5

■ D69ED4

# Harmonies

## Analogous

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



859427



489E4B



00A37B

# Triad

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



489E4B



0096ED



E5616C

# Complementary

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



489E4B



9E489B

# 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.



DE609D



489E4B



7286E8

# Square

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



489E4B



00A0D8



B970CB



D57141

# Rectangle

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



489E4B



00A49D



B970CB



E65E7C



# Sweetspot

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



489E4B



AECFAF



9B9E48



556955



E8E8E8



696969



# Same Dimension

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



489E4B



48CF4D



489E76



474F47



008F05



000F01



# Inverse Universe

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



9E489B



CF48CA



9E4870



4F474F



8F008A



0F000F



# Previews

## White Background



This preview shows how the Hex color 489E4B looks on a white background.

## Color Contrast Check

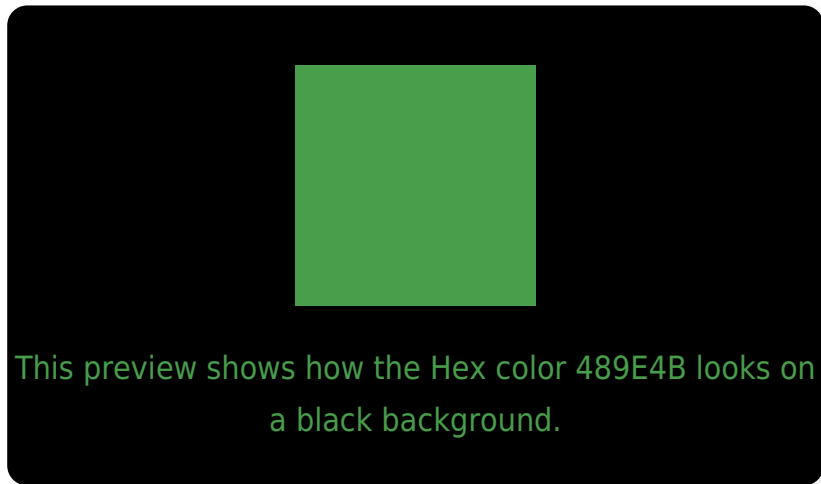
Large Text (above 18pt) WCAG AA ✓ Pass

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

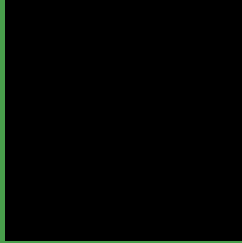
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 489E4B Background



This preview shows how black text looks on a background with the Hex color 489E4B.

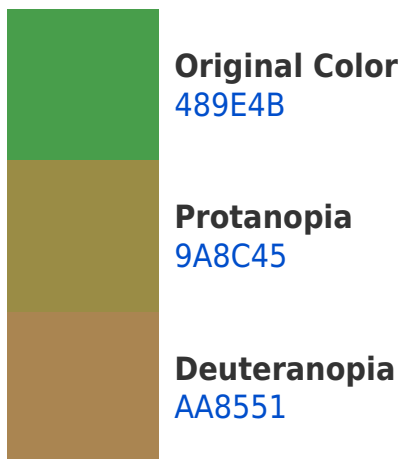


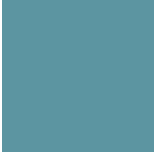
This preview shows how white text looks on a background with the Hex color 489E4B.

# 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**  
5C95A1

# Trichromacy



**Original Color**  
489E4B



**Protanomaly**  
7C9347



**Deuteranomaly**  
868E4F



**Tritanomaly**  
559882

# Monochromacy



**Original Color**  
489E4B



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
68886A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 489E4B 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 #489E4B looks like.

```
.text, #text, p{  
    color:#489E4B  
}
```

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 #489E4B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #489E4B
}
```

## Border

The CSS property to change the border of an element to Hex 489E4B 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
#489E4B }
```

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

```
.border{ border-color:#489E4B }
```

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

Here you see how a box with a 4 pixel #489E4B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #489E4B; -webkit-box-shadow:4px 4px  
4px 4px #489E4B; box-shadow:4px 4px 4px  
4px #489E4B }
```

# Background

The CSS property to change the background color of an element to Hex 489E4B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#489E4B }
```

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

```
.background{ background-color:#489E4B }
```

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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