

# Converting Colors

Hex(497A49)

Have a look what the booklet for  
Hex(497A49) contains.

<b>Hex(497A49)</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(497A49)

# Conversions

## Conversions Part 1

Format	Color
Hex	497A49
RGB	73, 122, 73
RGB Percent	29%, 48%, 29%
CMY	0.7137, 0.5216, 0.7137
CMYK	0.40, 0.00, 0.40, 0.52
HSL	120°, 25%, 38%
HSV	120°, 40%, 48%
XYZ	10.9098, 15.8166, 8.7812
YIQ	101.7630, -13.4750, -25.6270

# Conversions

## Conversions Part 2

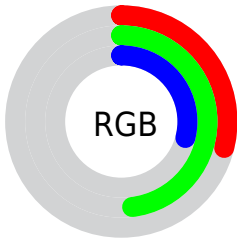
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 122, 122
Decimal	4815433
CIELab	46.73, -27.41, 21.75
CIElCh	47, 34.988, 141.563
Yxy	15.8166, 0.3073, 0.4454
Android (android.graphics.Color)	4283005513 (0xFF497A49)
YUV	101.7630, -14.1802, -25.2252
Hunter-Lab	39.7701, -20.6312, 14.7478

# Details

The Hex color **497A49** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7A497A**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **7CAF7A**, and **17491C** is the 20% darker color. If you saturate the color by 10%, you get **3D7A3D**, and if you desaturate by 10%, it is **557A55**.

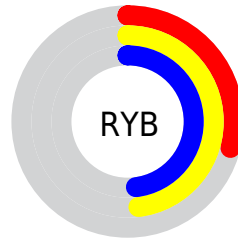
# Distribution



Red (29%)

Green (48%)

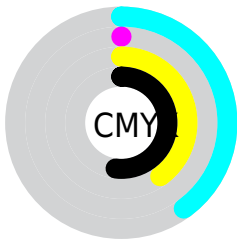
Blue (29%)



Red (29%)

Yellow (48%)

Blue (48%)

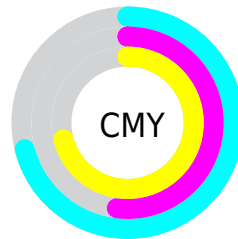


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 497A49 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 497A49 by changing the saturation by 10% instead.





497A49



497A49

FFFFFF



306132



7CAF7A



17491C



97CA94



003204



B2E7AF



001F00



CEFFCA



000000



EAF FE7



497A49



497A49



3D7A3D



557A55



317A31



617A61

 247A24

 6E7A6E

 187A18

 7A7A7A

 0C7A0C

 867A86

 007A00

 927A92

 9E7A9E

 AB7AAB

 B77AB7

# Harmonies

## Analogous

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



6B7436



497A49



117D65

# Triad

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



497A49



2674A9



A6585B

# Complementary

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



497A49



7A497A

# 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.



A15778



497A49



646AA5

# Square

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



497A49



007B9C



8B5F94



9D6042

# Rectangle

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



497A49



007E7A



8B5F94



A65664



# Sweetspot

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



497A49



8B9E8B



7A7A49



444F44



CFCFCF



4F4F4F



# Same Dimension

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



497A49



529E52



497A62



373D37



007D00



00FC00



# Inverse Universe

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



7A497A



9E529E



7A4962



3D373D



7D007D



FC00FC



# Previews

## White Background



This preview shows how the Hex color 497A49 looks on a white background.

## Color Contrast Check

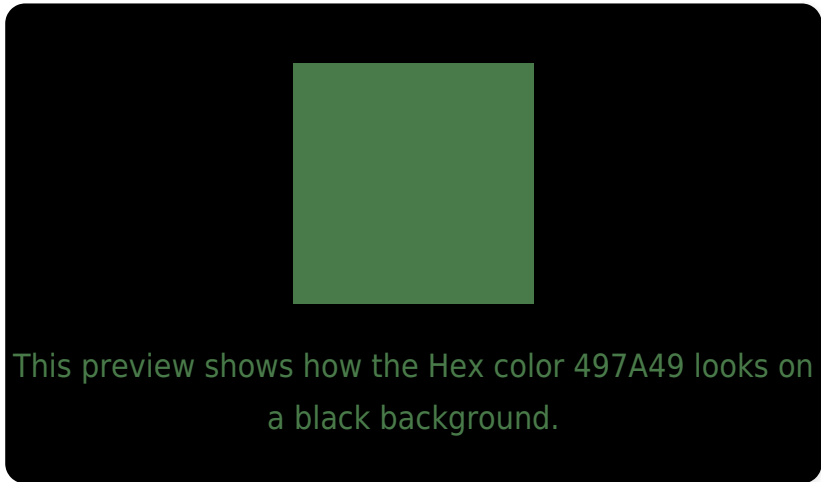
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

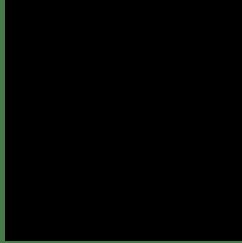
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 497A49 Background



This preview shows how black text looks on a background with the Hex color 497A49.



This preview shows how white text looks on a background with the Hex color 497A49.

# 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**  
497A49

**Protanopia**  
786E44

**Deuteranopia**  
836A4D



**Tritanopia**  
53747D

# Trichromacy



**Original Color**  
497A49

**Protanomaly**  
677246

**Deuteranomaly**  
6E704C

**Tritanomaly**  
4F766A

# Monochromacy



**Original Color**  
497A49

**Achromatopsia**  
666666

**Achromatomaly**  
5B6D5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 497A49 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 #497A49 looks like.

```
.text, #text, p{  
    color:#497A49  
}
```

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 #497A49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #497A49
}
```

## Border

The CSS property to change the border of an element to Hex 497A49 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
#497A49 }
```

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

```
.border{ border-color:#497A49 }
```

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

Here you see how a box with a 4 pixel #497A49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #497A49; -webkit-box-shadow:4px 4px  
4px 4px #497A49; box-shadow:4px 4px 4px  
4px #497A49 }
```

# Background

The CSS property to change the background color of an element to Hex 497A49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#497A49 }
```

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

```
.background{ background-color:#497A49 }
```

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