

# Converting Colors

Hex(4B7846)

Have a look what the booklet for  
Hex(4B7846) contains.

<b>Hex(4B7846)</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(4B7846)

# Conversions

## Conversions Part 1

Format	Color
Hex	4B7846
RGB	75, 120, 70
RGB Percent	29%, 47%, 27%
CMY	0.7059, 0.5294, 0.7255
CMYK	0.37, 0.00, 0.42, 0.53
HSL	114°, 26%, 37%
HSV	114°, 42%, 47%
XYZ	10.7236, 15.3710, 8.1961
YIQ	100.8450, -10.7700, -25.0900

# Conversions

## Conversions Part 2

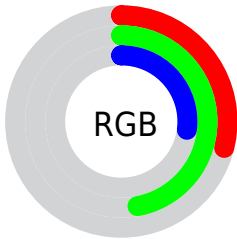
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 120, 115
Decimal	4945990
CIELab	46.14, -26.23, 22.69
CIELCh	46, 34.684, 139.143
Yxy	15.3710, 0.3127, 0.4483
Android (android.graphics.Color)	4283136070 (0xFF4B7846)
YUV	100.8450, -15.2066, -22.6661
Hunter-Lab	39.2059, -19.7868, 15.0494

# Details

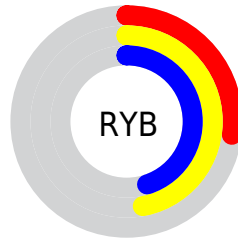
The Hex color **4B7846** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **734678**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **7EAD77**, and **1A4719** is the 20% darker color. If you saturate the color by 10%, you get **40783A**, and if you desaturate by 10%, it is **567852**.

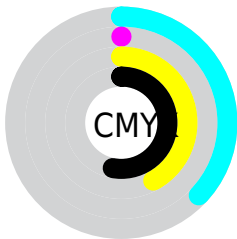
# Distribution



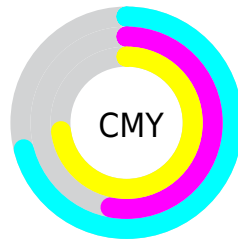
- Red (29%)
- Green (47%)
- Blue (27%)



- Red (27%)
- Yellow (47%)
- Blue (45%)



- Cyan (37%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)



- Cyan (71%)
- Magenta (53%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B7846 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 4B7846 by changing the saturation by 10% instead.



 4B7846

 4B7846

FFFFFF

 335F2F

 7EAD77

 1A4719

 98C891

 013000

 B4E4AC

 001E00

 D0FFC7

 000000

 ECFFE3

 4B7846

 4B7846

 40783A

 567852

 35782E

 61785E


 2B7822

 6B786A

 207816

 767876

 15780A

 817882

 0C7800

 8C788E

 97789A

 A178A6

 AC78B2

# Harmonies

## Analogous

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



6D7134



4B7846



197C61

# Triad

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



4B7846



1D73A6



A4565C

# Complementary

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



4B7846



734678

# 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.



9E5679



4B7846



5F6AA4

# Square

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



4B7846



007A98



875F94



9C5D42

# Rectangle

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



4B7846



007C76



875F94



A45565



# Sweetspot

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



4B7846



899C87



787346



444F42



CFCFCF



4F4F4F



# Same Dimension

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



4B7846



569C4E



46785A



383D37



0C7D00



19FC00



# Inverse Universe

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



734678



944E9C



784664



3D373D



70007D



E300FC



# Previews

## White Background



This preview shows how the Hex color 4B7846 looks on a white background.

## Color Contrast Check

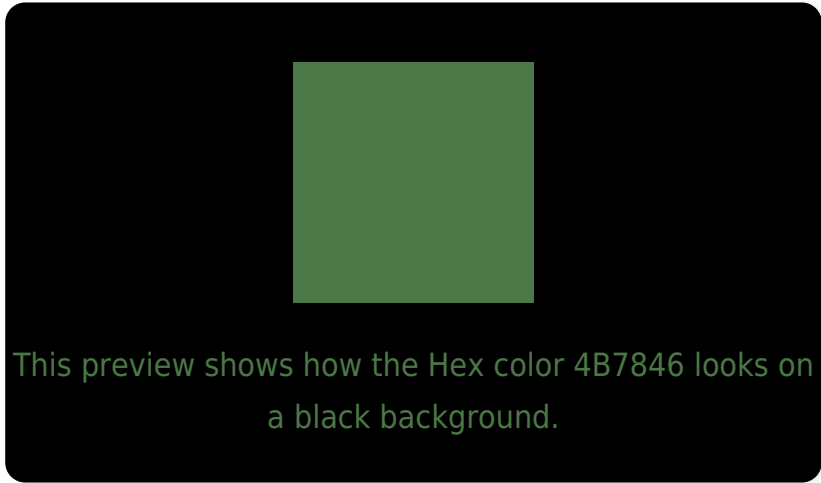
Large Text (above 18pt) WCAG AA ✓ Pass

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

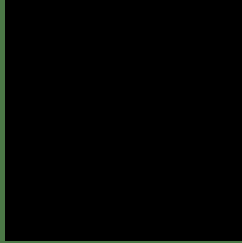
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B7846 Background



This preview shows how black text looks on a background with the Hex color 4B7846.



This preview shows how white text looks on a background with the Hex color 4B7846.

# 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**  
4B7846

**Protanopia**  
776D42

**Deuteranopia**  
82684A



**Tritanopia**  
55727B

# Trichromacy



**Original Color**  
4B7846

**Protanomaly**  
677143

**Deuteranomaly**  
6E6E49

**Tritanomaly**  
517468

# Monochromacy



**Original Color**  
4B7846

**Achromatopsia**  
656565

**Achromatomaly**  
5C6C5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B7846 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 #4B7846 looks like.

```
.text, #text, p{  
    color:#4B7846  
}
```

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 #4B7846 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B7846
}
```

## Border

The CSS property to change the border of an element to Hex 4B7846 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".

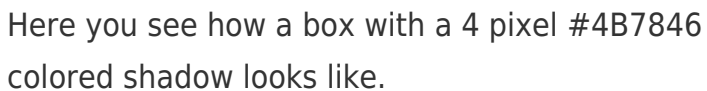
```
.border, #border, table{ border:4px solid
#4B7846 }
```

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

```
.border{ border-color:#4B7846 }
```

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

Here you see how a box with a 4 pixel #4B7846 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B7846; -webkit-box-shadow:4px 4px  
4px 4px #4B7846; box-shadow:4px 4px 4px  
4px #4B7846 }
```

# Background

The CSS property to change the background color of an element to Hex 4B7846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B7846 }
```

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

```
.background{ background-color:#4B7846 }
```

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