

# Converting Colors

Hex(4B6848)

Have a look what the booklet for  
Hex(4B6848) contains.

<b>Hex(4B6848)</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(4B6848)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B6848
RGB	75, 104, 72
RGB Percent	29%, 41%, 28%
CMY	0.7059, 0.5922, 0.7176
CMYK	0.28, 0.00, 0.31, 0.59
HSL	114°, 18%, 35%
HSV	114°, 31%, 41%
XYZ	9.0217, 11.8644, 7.9455
YIQ	91.6810, -7.0120, -16.1000

# Conversions

## Conversions Part 2

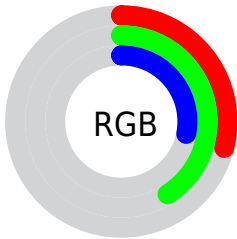
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 104, 101
Decimal	4941896
CIELab	41.00, -17.61, 14.70
CIElCh	41, 22.938, 140.147
Yxy	11.8644, 0.3129, 0.4115
Android (android.graphics.Color)	4283131976 (0xFF4B6848)
YUV	91.6810, -9.7027, -14.6292
Hunter-Lab	34.4447, -13.5259, 10.4347

# Details

The Hex color **4B6848** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **654868**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **7D9B79**, and **1D391C** is the 20% darker color. If you saturate the color by 10%, you get **42683E**, and if you desaturate by 10%, it is **546852**.

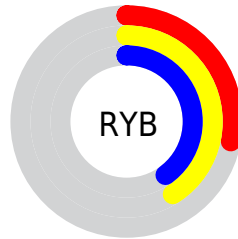
# Distribution



Red (29%)

Green (41%)

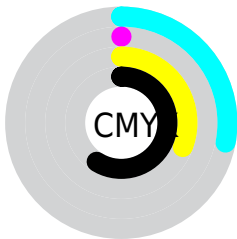
Blue (28%)



Red (28%)

Yellow (41%)

Blue (40%)

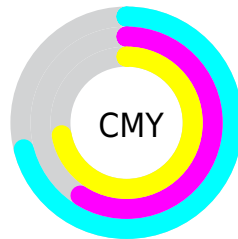


Cyan (28%)

Magenta (0%)

Yellow (31%)

Black (59%)



Cyan (71%)

Magenta (59%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B6848 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 4B6848 by changing the saturation by 10% instead.





4B6848



4B6848

FFFFFF



345031



7D9B79



1D391C



97B692



092303



B2D2AD



000700



CDEEC9



000000



EAF FE5



4B6848



4B6848



42683E



546852



386833




5E685D

 2F6829

 676867

 25681E

 716872

 1C6814

 7A687C

 12680A

 846886

 0A6800

 8D6891

 96689B

 A068A6

# Harmonies

## Analogous

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



61633D



4B6848



346A5A

# Triad

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



4B6848



3D6485



865355

# Complementary

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



4B6848



654868

# 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.



815368



4B6848



5A5E84

# Square

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



4B6848



22697D



725779



805745

# Rectangle

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



4B6848



256B67



725779



86525B



# Sweetspot

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



4B6848



7C877B



686548



3E453D



C4C4C4



454545



# Same Dimension

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



4B6848



5A8755



486855



2E332E



0B7300



17F200



# Inverse Universe

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



654868



825587



68485B



332E33



680073

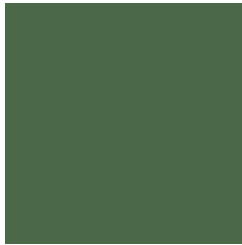


DC00F2



# Previews

## White Background



This preview shows how the Hex color 4B6848 looks on a white background.

## Color Contrast Check

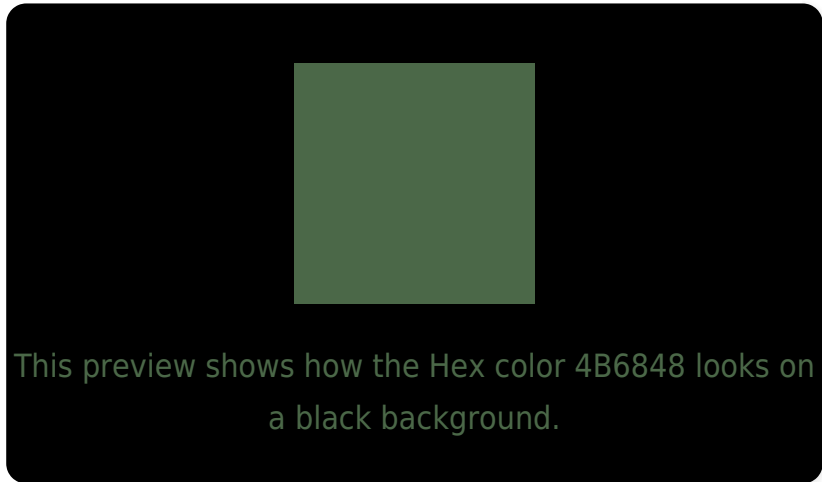
Large Text (above 18pt) WCAG AA ✓ Pass

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

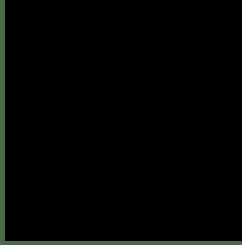
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B6848 Background



This preview shows how black text looks on a background with the Hex color 4B6848.



This preview shows how white text looks on a background with the Hex color 4B6848.

# 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**  
4B6848

**Protanopia**  
686045

**Deuteranopia**  
715C4A



**Tritanopia**  
51636B

# Trichromacy



**Original Color**  
4B6848

**Protanomaly**  
5D6346

**Deuteranomaly**  
636049

**Tritanomaly**  
4F655E

# Monochromacy



**Original Color**  
4B6848

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
566055

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B6848 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 #4B6848 looks like.

```
.text, #text, p{  
    color:#4B6848  
}
```

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 #4B6848 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B6848  
}
```

## Border

The CSS property to change the border of an element to Hex 4B6848 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".

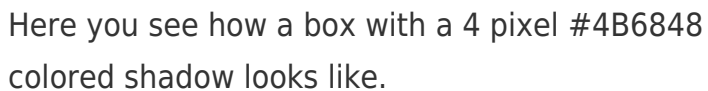
```
.border, #border, table{ border:4px solid  
#4B6848 }
```

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

```
.border{ border-color:#4B6848 }
```

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

Here you see how a box with a 4 pixel #4B6848 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B6848; -webkit-box-shadow:4px 4px  
4px 4px #4B6848; box-shadow:4px 4px 4px  
4px #4B6848 }
```

# Background

The CSS property to change the background color of an element to Hex 4B6848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B6848 }
```

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

```
.background{ background-color:#4B6848 }
```

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