

# Converting Colors

Hex(4D6838)

Have a look what the booklet for  
Hex(4D6838) contains.

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# Color

**Hex(4D6838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D6838
RGB	77, 104, 56
RGB Percent	30%, 41%, 22%
CMY	0.6980, 0.5922, 0.7804
CMYK	0.26, 0.00, 0.46, 0.59
HSL	94°, 30%, 31%
HSV	94°, 46%, 41%
XYZ	8.7247, 11.7639, 5.5522
YIQ	90.4550, -0.6840, -20.6520

# Conversions

## Conversions Part 2

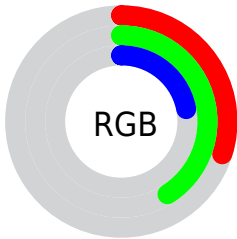
Format	Color
<b>RYB</b>	56, 104, 83
Decimal	5072952
CIELab	40.84, -19.44, 23.83
CIELCh	41, 30.758, 129.210
Yxy	11.7639, 0.3350, 0.4517
Android (android.graphics.Color)	4283263032 (0xFF4D6838)
YUV	90.4550, -16.9863, -11.8000
Hunter-Lab	34.2986, -14.6167, 14.4112

# Details

The Hex color **4D6838** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **533868**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **7F9B68**, and **1E390C** is the 20% darker color. If you saturate the color by 10%, you get **47682E**, and if you desaturate by 10%, it is **536842**.

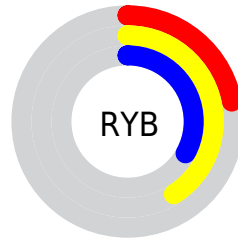
# Distribution



Red (30%)

Green (41%)

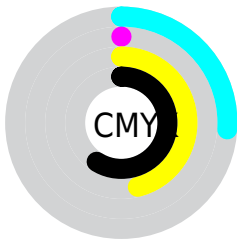
Blue (22%)



Red (22%)

Yellow (41%)

Blue (33%)

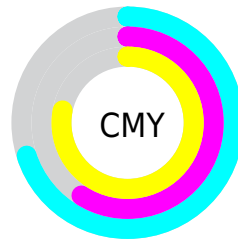


Cyan (26%)

Magenta (0%)

Yellow (46%)

Black (59%)



Cyan (70%)

Magenta (59%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D6838 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 4D6838 by changing the saturation by 10% instead.





4D6838



4D6838

FFFFFF



355022



7F9B68



1E390C



99B681



082300



B5D29B



000600



D0EEB6



000000



EDFFD2



FFFFEF



4D6838



4D6838



47682E



536842

■ 416823

■ 59684D

■ 3B6819

■ 5F6857

■ 36680E

■ 646862

■ 306804

■ 6A686C

■ 2E6800

■ 706876

■ 766881

■ 7C688B

■ 826896

# Harmonies

## Analogous

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



68612D



4D6838



2A6C4E

# Triad

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



4D6838



00688F



904C59

# Complementary

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



4D6838



533868

# 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.



864E73



4D6838



456092

# Square

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



4D6838



006C7F



6D5787



8D5042

# Rectangle

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



4D6838



006D5F



6D5787



8E4C62



# Sweetspot

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



4D6838



7D8774



685238



3E4539



C4C4C4



454545



# Same Dimension

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



4D6838



5D873D



38683A



30332E



327300



6AF200



# Inverse Universe

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



533868



673D87



683866



312E33



410073



8800F2



# Previews

## White Background



This preview shows how the Hex color 4D6838 looks on a white background.

## Color Contrast Check

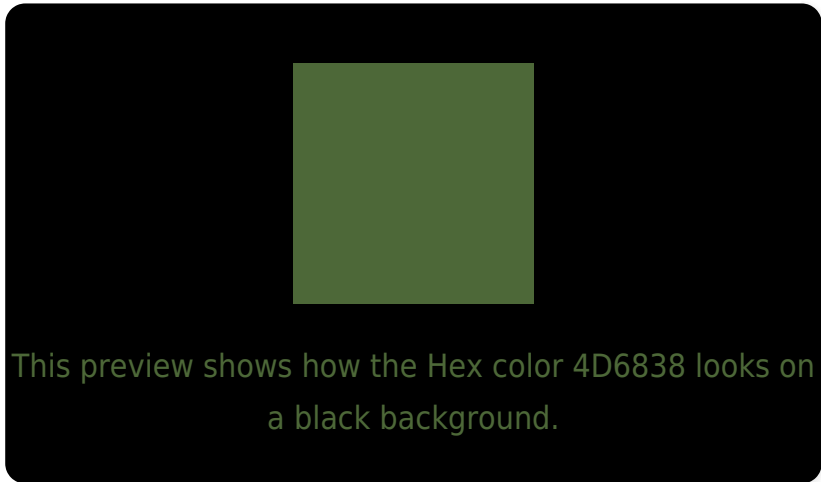
Large Text (above 18pt) WCAG AA ✓ Pass

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

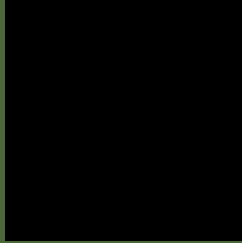
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D6838 Background



This preview shows how black text looks on a background with the Hex color 4D6838.



This preview shows how white text looks on a background with the Hex color 4D6838.

# 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](#).

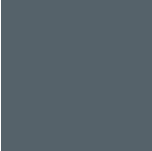
## Dichromacy



**Original Color**  
4D6838

**Protanopia**  
6A6035

**Deuteranopia**  
745C3B



**Tritanopia**  
55626A

# Trichromacy



**Original Color**  
4D6838

**Protanomaly**  
5F6336

**Deuteranomaly**  
66603A

**Tritanomaly**  
526458

# Monochromacy



**Original Color**  
4D6838

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
555F4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D6838 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 #4D6838 looks like.

```
.text, #text, p{  
    color:#4D6838  
}
```

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 #4D6838 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D6838
}
```

## Border

The CSS property to change the border of an element to Hex 4D6838 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
#4D6838 }
```

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

```
.border{ border-color:#4D6838 }
```

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

Here you see how a box with a 4 pixel #4D6838 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D6838; -webkit-box-shadow:4px 4px  
4px 4px #4D6838; box-shadow:4px 4px 4px  
4px #4D6838 }
```

# Background

The CSS property to change the background color of an element to Hex 4D6838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D6838 }
```

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

```
.background{ background-color:#4D6838 }
```

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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