

# Converting Colors

Hex(4D6633)

Have a look what the booklet for  
Hex(4D6633) contains.

<b>Hex(4D6633)</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(4D6633)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D6633
RGB	77, 102, 51
RGB Percent	30%, 40%, 20%
CMY	0.6980, 0.6000, 0.8000
CMYK	0.25, 0.00, 0.50, 0.60
HSL	89°, 33%, 30%
HSV	89°, 50%, 40%
XYZ	8.4095, 11.3195, 4.8736
YIQ	88.7110, 1.4710, -21.1610

# Conversions

## Conversions Part 2

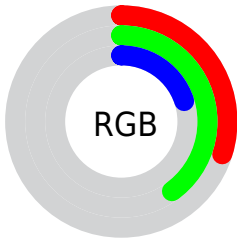
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 102, 76
Decimal	5072435
CIELab	40.11, -19.07, 25.74
CIELCh	40, 32.031, 126.537
Yxy	11.3195, 0.3418, 0.4601
Android (android.graphics.Color)	4283262515 (0xFF4D6633)
YUV	88.7110, -18.5915, -10.2705
Hunter-Lab	33.6445, -14.2617, 14.9626

# Details

The Hex color **4D6633** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4C3366**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **7F9963**, and **1E3705** is the 20% darker color. If you saturate the color by 10%, you get **486629**, and if you desaturate by 10%, it is **52663D**.

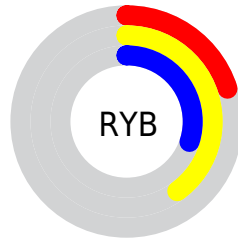
# Distribution



Red (30%)

Green (40%)

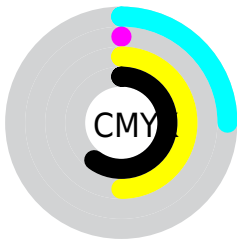
Blue (20%)



Red (20%)

Yellow (40%)

Blue (30%)

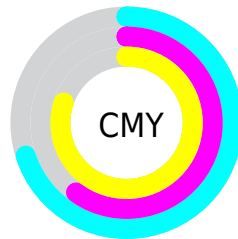


Cyan (25%)

Magenta (0%)

Yellow (50%)

Black (60%)



Cyan (70%)

Magenta (60%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D6633 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 4D6633 by changing the saturation by 10% instead.





4D6633



4D6633

FFFFFF



354E1D



7F9963



1E3705



9AB47C



062100



B5D096



000100



D1ECB1



000000



EDFFCC



FFFFE9



4D6633



4D6633



486629



52663D

■ 43661F

■ 576647

■ 3E6614

■ 5C6652

■ 39660A

■ 61665C

■ 346600

■ 666666

■ 6B6670

■ 70667A

■ 756685

■ 7A668F

# Harmonies

## Analogous

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



695F29



4D6633



296A49

# Triad

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



4D6633



00678E



8F495A

# Complementary

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



4D6633



4C3366

# 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.



834C74



4D6633



3D5F92

# Square

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



4D6633



006B7D



685589



8D4D41

# Rectangle

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



4D6633



006C5B



685589



8D4963



# Sweetspot

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



4D6633



7B8571



664C33



3C4236



C2C2C2



424242



# Same Dimension

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



4D6633



5E8535



346633



31332E



3B7300



7CF200



# Inverse Universe

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



4C3366



5C3585



653366



302E33



380073



7700F2



# Previews

## White Background



This preview shows how the Hex color 4D6633 looks on a white background.

## Color Contrast Check

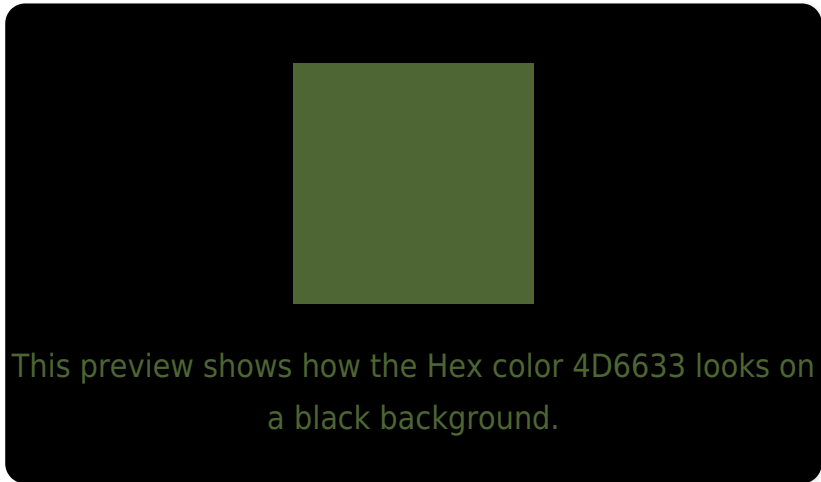
Large Text (above 18pt) WCAG AA ✓ Pass

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

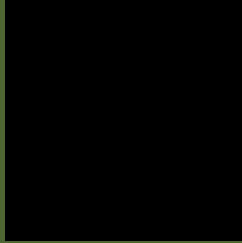
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D6633 Background



This preview shows how black text looks on a background with the Hex color 4D6633.



This preview shows how white text looks on a background with the Hex color 4D6633.

# 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](#).

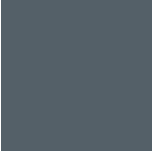
## Dichromacy



**Original Color**  
4D6633

**Protanopia**  
685E30

**Deuteranopia**  
735A36



**Tritanopia**  
546068

# Trichromacy



**Original Color**  
4D6633

**Protanomaly**  
5E6131

**Deuteranomaly**  
655E35

**Tritanomaly**  
516255

# Monochromacy



**Original Color**  
4D6633

**Achromatopsia**  
595959

**Achromatomaly**  
555E4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D6633 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 #4D6633 looks like.

```
.text, #text, p{  
    color:#4D6633  
}
```

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 #4D6633 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D6633  
}
```

## Border

The CSS property to change the border of an element to Hex 4D6633 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  
#4D6633 }
```

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

```
.border{ border-color:#4D6633 }
```

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

Here you see how a box with a 4 pixel #4D6633 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D6633; -webkit-box-shadow:4px 4px  
4px 4px #4D6633; box-shadow:4px 4px 4px  
4px #4D6633 }
```

# Background

The CSS property to change the background color of an element to Hex 4D6633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D6633 }
```

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

```
.background{ background-color:#4D6633 }
```

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