

# Converting Colors

Hex(4B6F31)

Have a look what the booklet for  
Hex(4B6F31) contains.

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# Color

**Hex(4B6F31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B6F31
RGB	75, 111, 49
RGB Percent	29%, 44%, 19%
CMY	0.7059, 0.5647, 0.8078
CMYK	0.32, 0.00, 0.56, 0.56
HSL	95°, 39%, 31%
HSV	95°, 56%, 44%
XYZ	9.1405, 13.0865, 4.9499
YIQ	93.1680, -1.5540, -26.9140

# Conversions

## Conversions Part 2

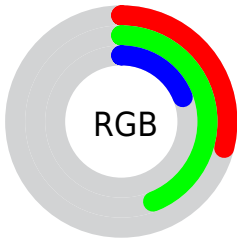
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 111, 85
Decimal	4943665
CIE <sub>Lab</sub>	42.89, -24.77, 30.16
CIE <sub>LCh</sub>	43, 39.031, 129.400
Yxy	13.0865, 0.3363, 0.4815
Android (android.graphics.Color)	4283133745 (0xFF4B6F31)
YUV	93.1680, -21.7748, -15.9333
Hunter-Lab	36.1752, -18.2048, 17.2099

# Details

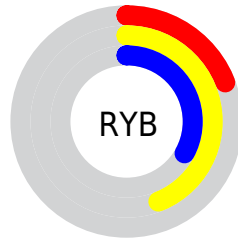
The Hex color **4B6F31** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **55316F**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **7EA361**, and **1B3F01** is the 20% darker color. If you saturate the color by 10%, you get **456F26**, and if you desaturate by 10%, it is **516F3C**.

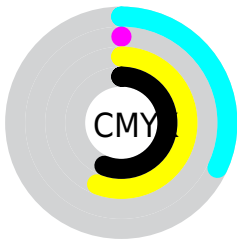
# Distribution



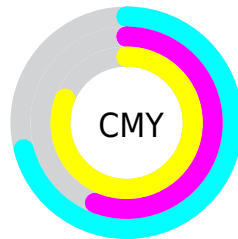
- Red (29%)
- Green (44%)
- Blue (19%)



- Red (19%)
- Yellow (44%)
- Blue (33%)



- Cyan (32%)
- Magenta (0%)
- Yellow (56%)
- Black (56%)



- Cyan (71%)
- Magenta (56%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B6F31 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 4B6F31 by changing the saturation by 10% instead.





4B6F31



4B6F31

FFFFFF



33561A



7EA361



1B3F01



98BE7A



022900



B4DA95



001200



D0F7B0



000000



ECFFCB



FFF7E7



4B6F31



4B6F31



456F26



516F3C

■ 3E6F1B

■ 586F47

■ 386F10

■ 5E6F52

■ 316F05

■ 656F5D

■ 2F6F00

■ 6B6F69

■ 726F74

■ 786F7F

■ 7F6F8A

■ 856F95

# Harmonies

## Analogous

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



6E6722



4B6F31



11744D

# Triad

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



4B6F31



006FA1



A1495C

# Complementary

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



4B6F31



55316F

# 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.



944D7D



4B6F31



3D65A5

# Square

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



4B6F31



00748D



755997



9C503E

# Rectangle

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



4B6F31



007564



755997



9F4967



# Sweetspot

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



4B6F31



839179



6F5431



414A3B



C9C9C9



4A4A4A



# Same Dimension

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



4B6F31



599130



316F35



353832



327800



68F700



# Inverse Universe

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



55316F



693091



6F316B



363238



460078



9000F7



# Previews

## White Background



This preview shows how the Hex color 4B6F31 looks on a white background.

## Color Contrast Check

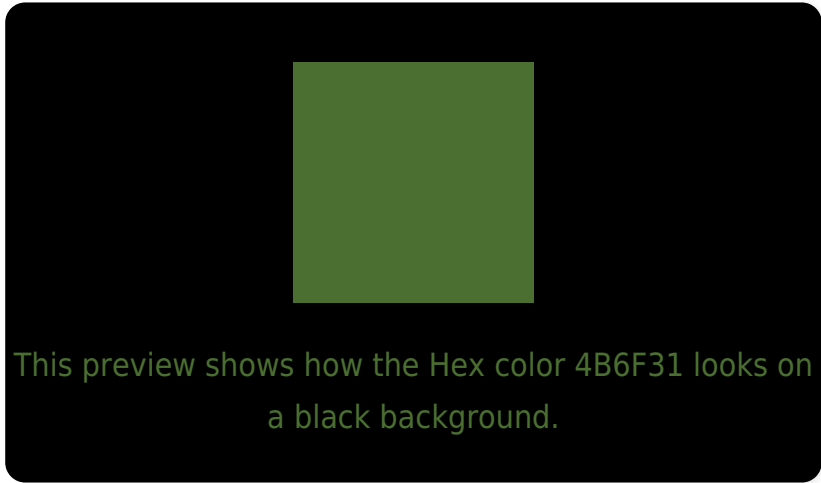
Large Text (above 18pt) WCAG AA ✓ Pass

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

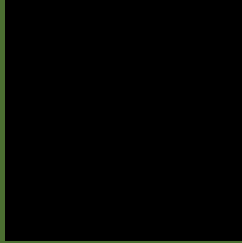
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B6F31 Background



This preview shows how black text looks on a background with the Hex color 4B6F31.



This preview shows how white text looks on a background with the Hex color 4B6F31.

# 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](#).

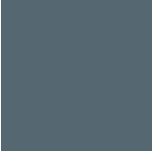
## Dichromacy



**Original Color**  
4B6F31

**Protanopia**  
70652E

**Deuteranopia**  
7C6035



**Tritanopia**  
556871

# Trichromacy



**Original Color**  
4B6F31

**Protanomaly**  
63692F

**Deuteranomaly**  
6A6534

**Tritanomaly**  
516B5A

# Monochromacy



**Original Color**  
4B6F31

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
56644D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B6F31 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 #4B6F31 looks like.

```
.text, #text, p{  
    color:#4B6F31  
}
```

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 #4B6F31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B6F31
}
```

## Border

The CSS property to change the border of an element to Hex 4B6F31 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
#4B6F31 }
```

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

```
.border{ border-color:#4B6F31 }
```

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

Here you see how a box with a 4 pixel #4B6F31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B6F31; -webkit-box-shadow:4px 4px  
4px 4px #4B6F31; box-shadow:4px 4px 4px  
4px #4B6F31 }
```

# Background

The CSS property to change the background color of an element to Hex 4B6F31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B6F31 }
```

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

```
.background{ background-color:#4B6F31 }
```

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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