

# Converting Colors

Hex(646E4A)

Have a look what the booklet for  
Hex(646E4A) contains.

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**Color**

**Hex(646E4A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	646E4A
RGB	100, 110, 74
RGB Percent	39%, 43%, 29%
CMY	0.6078, 0.5686, 0.7098
CMYK	0.09, 0.00, 0.33, 0.57
HSL	77°, 20%, 36%
HSV	77°, 33%, 43%
XYZ	12.0675, 14.3556, 8.6134
YIQ	102.9060, 5.5960, -13.3160

# Conversions

## Conversions Part 2

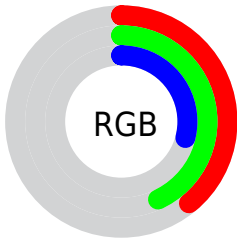
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 110, 84
Decimal	6581834
CIELab	44.74, -10.50, 18.87
CIELCh	45, 21.592, 119.104
Yxy	14.3556, 0.3444, 0.4097
Android (android.graphics.Color)	4284771914 (0xFF646E4A)
YUV	102.9060, -14.2507, -2.5486
Hunter-Lab	37.8888, -9.4535, 13.0435

# Details

The Hex color **646E4A** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **544A6E**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **97A27B**, and **353E1D** is the 20% darker color. If you saturate the color by 10%, you get **616E3F**, and if you desaturate by 10%, it is **676E55**.

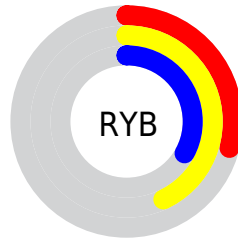
# Distribution



Red (39%)

Green (43%)

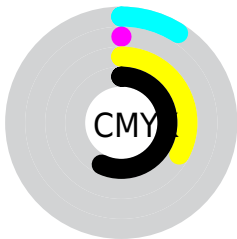
Blue (29%)



Red (29%)

Yellow (43%)

Blue (33%)

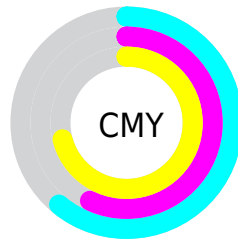


Cyan (9%)

Magenta (0%)

Yellow (33%)

Black (57%)



Cyan (61%)

Magenta (57%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646E4A 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 646E4A by changing the saturation by 10% instead.





646E4A



646E4A

FFFFFF



4C5633



97A27B



353E1D



B2BD95



1F2906



CED8B0



001500



EAF5CB



000000



FFFFE7



646E4A



646E4A



616E3F



676E55



5E6E34



6A6E60

■ 5B6E29

■ 6D6E6B

■ 586E1E

■ 706E76

■ 556E13

■ 736E81

■ 526E08

■ 766E8C

■ 4F6E00

■ 796E97

■ 7C6EA2

■ 806EAD

# Harmonies

## Analogous

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



776846



646E4A



4F7257

# Triad

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



646E4A



397188



8C5C6B

# Complementary

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



646E4A



544A6E

# 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.



80607D



646E4A



516C8D

# Square

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



646E4A



2F737B



6C6589



8D5E59

# Rectangle

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



646E4A



417362



6C6589



895D71



# Sweetspot

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



646E4A



8B8F81



6E544A



45473F



C7C7C7



474747



# Same Dimension

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



646E4A



7F8F57



526E4A



373832



577800



B3F700



# Inverse Universe

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



544A6E



67578F



664A6E



343238



210078



4500F7



# Previews

## White Background



This preview shows how the Hex color 646E4A looks on a white background.

## Color Contrast Check

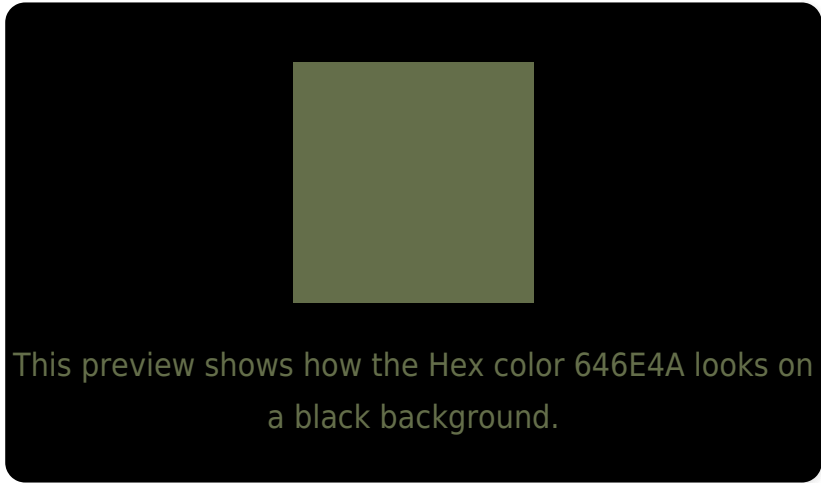
Large Text (above 18pt) WCAG AA ✓ Pass

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

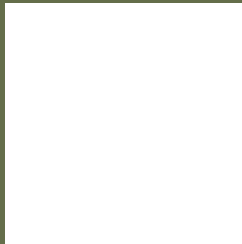
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 646E4A Background



This preview shows how black text looks on a background with the Hex color 646E4A.



This preview shows how white text looks on a background with the Hex color 646E4A.

# 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**  
646E4A

**Protanopia**  
726A48

**Deuteranopia**  
7D654C



**Tritanopia**  
696971

# Trichromacy



**Original Color**  
646E4A

**Protanomaly**  
6D6B49

**Deuteranomaly**  
74684B

**Tritanomaly**  
676B63

# Monochromacy



**Original Color**  
646E4A

**Achromatopsia**  
676767

**Achromatomaly**  
666A5C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646E4A 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 #646E4A looks like.

```
.text, #text, p{  
    color:#646E4A  
}
```

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 #646E4A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646E4A
}
```

## Border

The CSS property to change the border of an element to Hex 646E4A is called "border". The border property can be set on classes, ids or directly on the HTML element.

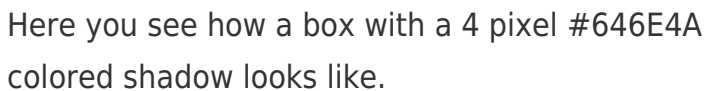
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646E4A }
```

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

```
.border{ border-color:#646E4A }
```

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



Here you see how a box with a 4 pixel #646E4A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646E4A; -webkit-box-shadow:4px 4px  
4px 4px #646E4A; box-shadow:4px 4px 4px  
4px #646E4A }
```

# Background

The CSS property to change the background color of an element to Hex 646E4A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646E4A }
```

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

```
.background{ background-color:#646E4A }
```

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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