

# Converting Colors

Hex(646C5B)

Have a look what the booklet for  
Hex(646C5B) contains.

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# Color

**Hex(646C5B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	646C5B
RGB	100, 108, 91
RGB Percent	39%, 42%, 36%
CMY	0.6078, 0.5765, 0.6431
CMYK	0.07, 0.00, 0.16, 0.58
HSL	88°, 9%, 39%
HSV	88°, 16%, 42%
XYZ	12.5064, 14.1898, 11.9773
YIQ	103.6700, 0.6890, -6.9830

# Conversions

## Conversions Part 2

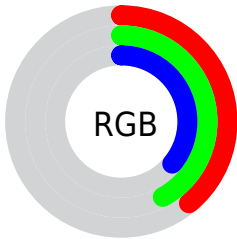
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 108, 99
Decimal	6581339
CIE Lab	44.50, -6.48, 8.49
CIE LCh	45, 10.679, 127.358
Yxy	14.1898, 0.3234, 0.3669
Android (android.graphics.Color)	4284771419 (0xFF646C5B)
YUV	103.6700, -6.2463, -3.2186
Hunter-Lab	37.6693, -6.6584, 7.5168

# Details

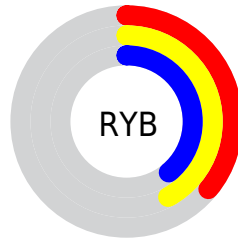
The Hex color **646C5B** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **635B6C**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **979F8D**, and **353D2D** is the 20% darker color. If you saturate the color by 10%, you get **5F6C50**, and if you desaturate by 10%, it is **696C66**.

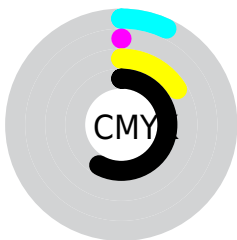
# Distribution



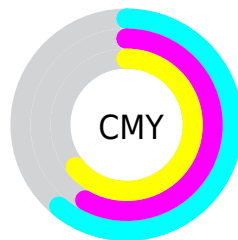
- Red (39%)
- Green (42%)
- Blue (36%)



- Red (36%)
- Yellow (42%)
- Blue (39%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646C5B 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 646C5B by changing the saturation by 10% instead.



646C5B

646C5B

FFFFFF

4C5444

979F8D

353D2D

B2BAA8

202719

CDD6C3

081300

E9F2DF

000000

FFFFFFB

646C5B

646C5B

5F6C50

696C66

5A6C45

6E6C71

■ 556C3B

■ 736C7B

■ 506C30

■ 786C86

■ 4B6C25

■ 7D6C91

■ 466C1A

■ 826C9C

■ 406C0F

■ 886CA7

■ 3B6C05

■ 8D6CB1

■ 396C00

■ 926CBC

# Harmonies

## Analogous

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



6E6958



646C5B



5A6E62

# Triad

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



646C5B



586C79



7C6367

# Complementary

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



646C5B



635B6C

# 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.



776470



646C5B



62697B

# Square

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



646C5B



526E74



6E6677



7B645F

# Rectangle

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



646C5B



556E68



6E6677



7B636A



# Sweetspot

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



646C5B



898C85



6C635B



454743



C7C7C7



474747



# Same Dimension

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



646C5B



808C72



5C6C5B



333630



3E7500



82F500



# Inverse Universe

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



635B6C



7E728C



6B5B6C



333036



370075



7300F5



# Previews

## White Background



This preview shows how the Hex color 646C5B looks on a white background.

## Color Contrast Check

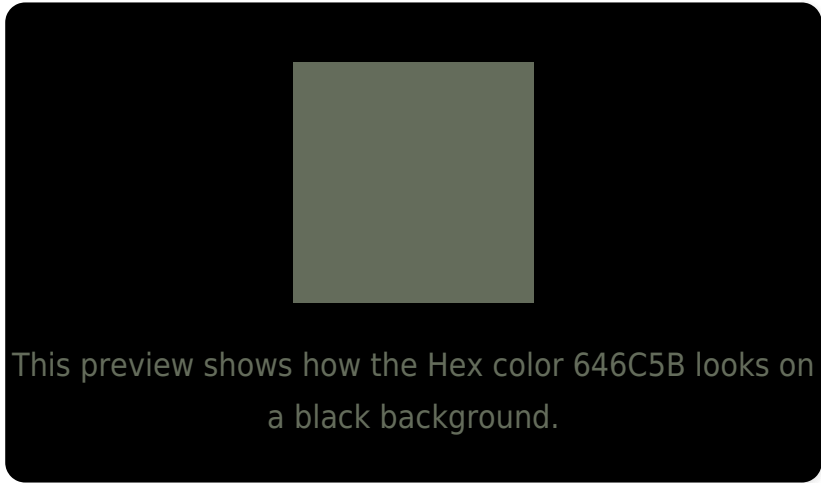
Large Text (above 18pt) WCAG AA ✓ Pass

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

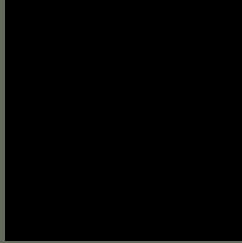
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

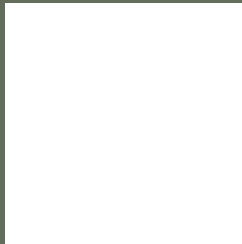
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 646C5B Background



This preview shows how black text looks on a background with the Hex color 646C5B.



This preview shows how white text looks on a background with the Hex color 646C5B.

# 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**  
646C5B

**Protanopia**  
6F6959

**Deuteranopia**  
78655C



**Tritanopia**  
676971

# Trichromacy



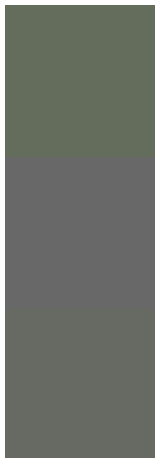
**Original Color**  
646C5B

**Protanomaly**  
6B6A5A

**Deuteranomaly**  
71685C

**Tritanomaly**  
666A69

# Monochromacy



**Original Color**  
646C5B

**Achromatopsia**  
686868

**Achromatomaly**  
676963

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646C5B 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 #646C5B looks like.

```
.text, #text, p{  
    color:#646C5B  
}
```

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 #646C5B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646C5B
}
```

## Border

The CSS property to change the border of an element to Hex 646C5B is called "border". The border property can be set on classes, ids or directly on the HTML element.

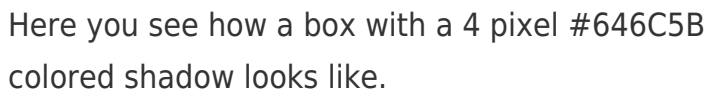
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646C5B }
```

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

```
.border{ border-color:#646C5B }
```

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



Here you see how a box with a 4 pixel #646C5B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646C5B; -webkit-box-shadow:4px 4px  
4px 4px #646C5B; box-shadow:4px 4px 4px  
4px #646C5B }
```

# Background

The CSS property to change the background color of an element to Hex 646C5B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646C5B }
```

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

```
.background{ background-color:#646C5B }
```

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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