

# Converting Colors

Hex(646E5E)

Have a look what the booklet for  
Hex(646E5E) contains.

<b>Hex(646E5E)</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(646E5E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	646E5E
RGB	100, 110, 94
RGB Percent	39%, 43%, 37%
CMY	0.6078, 0.5686, 0.6314
CMYK	0.09, 0.00, 0.15, 0.57
HSL	98°, 8%, 40%
HSV	98°, 15%, 43%
XYZ	12.8518, 14.6693, 12.7438
YIQ	105.1860, -0.8240, -7.0960

# Conversions

## Conversions Part 2

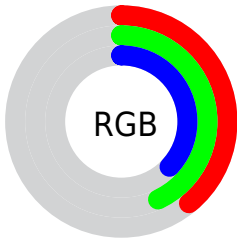
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 110, 104
Decimal	6581854
CIE Lab	45.18, -7.07, 7.65
CIE LCh	45, 10.412, 132.730
Yxy	14.6693, 0.3192, 0.3643
Android (android.graphics.Color)	4284771934 (0xFF646E5E)
YUV	105.1860, -5.5147, -4.5481
Hunter-Lab	38.3006, -7.1299, 7.0828

# Details

The Hex color **646E5E** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **685E6E**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **97A290**, and **353E30** is the 20% darker color. If you saturate the color by 10%, you get **5D6E53**, and if you desaturate by 10%, it is **6B6E69**.

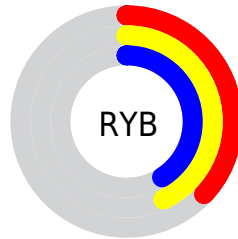
# Distribution



Red (39%)

Green (43%)

Blue (37%)



Red (37%)

Yellow (43%)

Blue (41%)

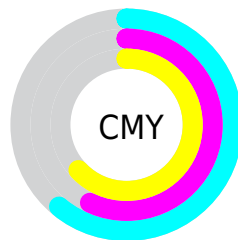


Cyan (9%)

Magenta (0%)

Yellow (15%)

Black (57%)



Cyan (61%)

Magenta (57%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646E5E 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 646E5E by changing the saturation by 10% instead.





646E5E



646E5E

FFFFFF



4C5646



97A290



353E30



B2BDAB



20291B



CDD8C6



091400



E9F5E2



000000



646E5E



646E5E



5D6E53



6B6E69



566E48



726E74



4F6E3D



796E7F

■ 486E32

■ 806E8A

■ 426E27

■ 866E95

■ 3B6E1C

■ 8D6EA0

■ 346E11

■ 946EAB

■ 2D6E06

■ 9B6EB6

■ 296E00

■ A26EC1

# Harmonies

## Analogous

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



6E6B5A



646E5E



5B7065

# Triad

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



646E5E



5C6D7B



7D6567

# Complementary

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



646E5E



685E6E

# 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.



796570



646E5E



666A7C

# Square

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



646E5E



556F76



716878



7C665F

# Rectangle

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



646E5E



57706B



716878



7D656A



# Sweetspot

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



646E5E



8B8F89



6E685E



454744



C7C7C7



474747



# Same Dimension

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



646E5E



808F77



5E6E60



353832



2D7800



5DF700



# Inverse Universe

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



685E6E



86778F



6E5E6C



363238



4B0078



9B00F7



# Previews

## White Background



This preview shows how the Hex color 646E5E looks on a white background.

## Color Contrast Check

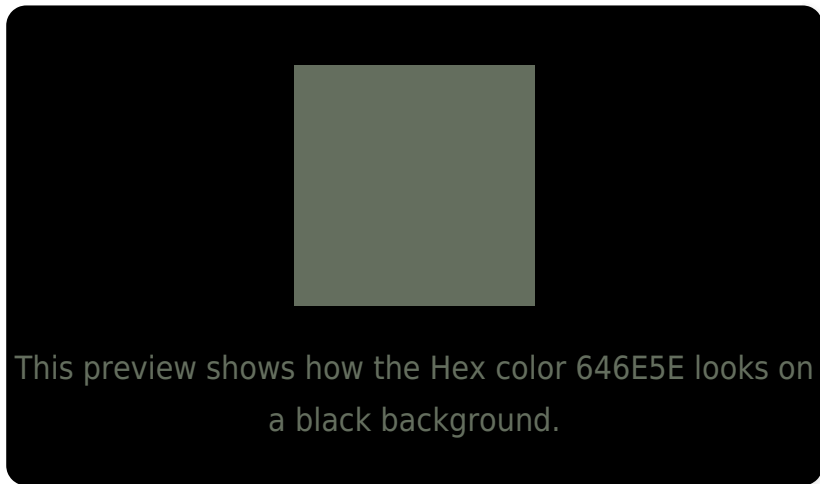
Large Text (above 18pt) WCAG AA ✓ Pass

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

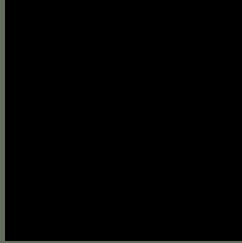
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646E5E Background



This preview shows how black text looks on a background with the Hex color 646E5E.



This preview shows how white text looks on a background with the Hex color 646E5E.

# 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**


646E5E

**Protanopia**

706A5C

**Deuteranopia**

79675F



**Tritanopia**  
676B73

# Trichromacy



**Original Color**  
646E5E

**Protanomaly**  
6C6B5D

**Deuteranomaly**  
716A5F

**Tritanomaly**  
666C6B

# Monochromacy



**Original Color**  
646E5E

**Achromatopsia**  
696969

**Achromatomaly**  
676B65

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646E5E 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 #646E5E looks like.

```
.text, #text, p{  
    color:#646E5E  
}
```

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 #646E5E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646E5E
}
```

## Border

The CSS property to change the border of an element to Hex 646E5E is called "border". The border property can be set on classes, ids or directly on the HTML element.

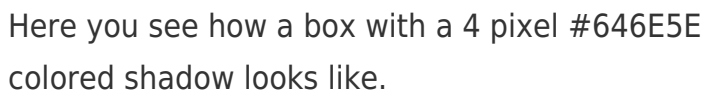
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646E5E }
```

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

```
.border{ border-color:#646E5E }
```

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



Here you see how a box with a 4 pixel #646E5E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646E5E; -webkit-box-shadow:4px 4px  
4px 4px #646E5E; box-shadow:4px 4px 4px  
4px #646E5E }
```

# Background

The CSS property to change the background color of an element to Hex 646E5E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646E5E }
```

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

```
.background{ background-color:#646E5E }
```

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