

# Converting Colors

Hex(646F67)

Have a look what the booklet for  
Hex(646F67) contains.

<b>Hex(646F67)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(646F67)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646F67
RGB	100, 111, 103
RGB Percent	39%, 44%, 40%
CMY	0.6078, 0.5647, 0.5961
CMYK	0.10, 0.00, 0.07, 0.56
HSL	136°, 5%, 41%
HSV	136°, 10%, 44%
XYZ	13.3882, 15.0575, 15.0327
YIQ	106.7990, -3.9880, -4.8200

# Conversions

## Conversions Part 2

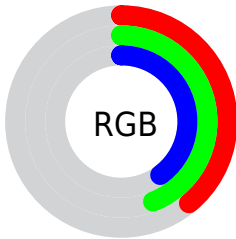
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 109, 111
Decimal	6582119
CIE <sub>Lab</sub>	45.71, -5.85, 3.03
CIE <sub>LCh</sub>	46, 6.589, 152.595
Yxy	15.0575, 0.3079, 0.3463
Android (android.graphics.Color)	4284772199 (0xFF646F67)
YUV	106.7990, -1.8729, -5.9627
Hunter-Lab	38.8040, -6.3208, 4.1937

# Details

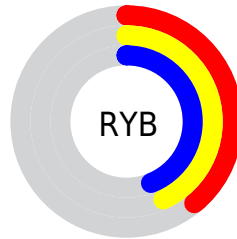
The Hex color **646F67** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6F646C**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **97A39A**, and **353F38** is the 20% darker color. If you saturate the color by 10%, you get **596F5F**, and if you desaturate by 10%, it is **6F6F6F**.

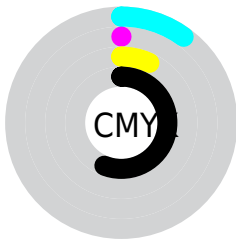
# Distribution



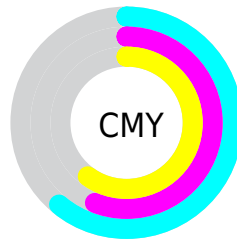
- Red (39%)
- Green (44%)
- Blue (40%)



- Red (39%)
- Yellow (43%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646F67 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 646F67 by changing the saturation by 10% instead.





646F67



646F67

FFFFFF



4C574F



97A39A



353F38



B2BEB5



202923



CDD9D0



09150D



E9F6ED



000000



646F67



646F67



596F5F



6F6F6F



4E6F57



7A6F77



436F4F



856F7F

■ 386F47

■ 906F87

■ 2D6F3F

■ 9B6F8F

■ 216F37

■ A76F97

■ 166F2E

■ B26FA0

■ 0B6F26

■ BD6FA8

■ 006F1E

■ C86FB0

# Harmonies

## Analogous

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



6A6E63



646F67



60706C

# Triad

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



646F67



676D77



786967

# Complementary

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



646F67



6F646C

# 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.



78696C



646F67



6E6B75

# Square

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



646F67



616E76



746971



756A63

# Rectangle

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



646F67



5F6F70



746971



786968



# Sweetspot

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



646F67



8D918E



6C6F64



474A48



C9C9C9



4A4A4A



# Same Dimension

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



646F67



809185



646F6C



323834



007821



00F743



# Inverse Universe

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



6F646C



91808D



6F6467



383237



780057



F700B4



# Previews

## White Background



This preview shows how the Hex color 646F67 looks on a white background.

## Color Contrast Check

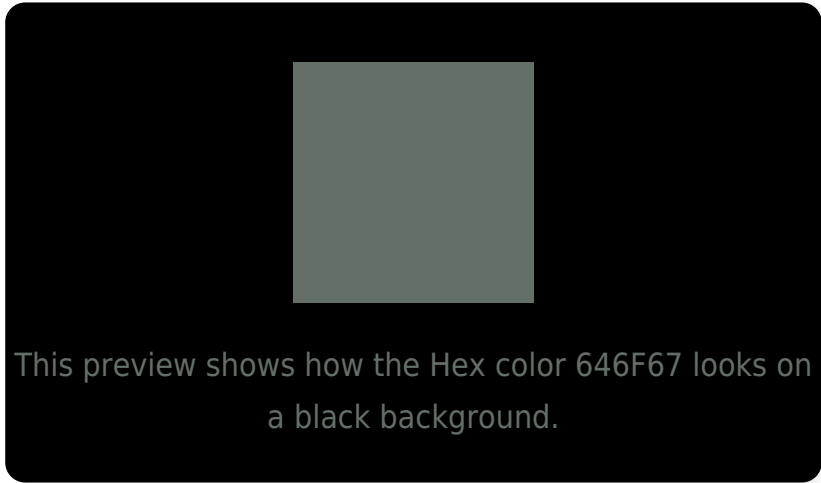
Large Text (above 18pt) WCAG AA ✓ Pass

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

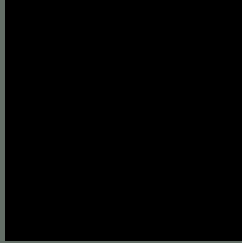
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646F67 Background



This preview shows how black text looks on a background with the Hex color 646F67.



This preview shows how white text looks on a background with the Hex color 646F67.

# 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](#).

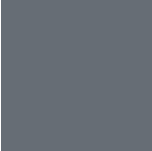
## Dichromacy



**Original Color**  
646F67

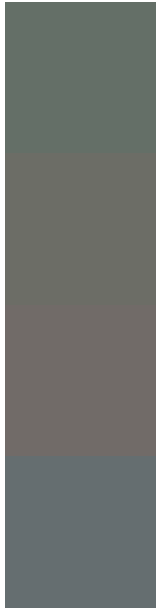
**Protanopia**  
706C65

**Deuteranopia**  
786868



**Tritanopia**  
666D75

# Trichromacy



**Original Color**

646F67

**Protanomaly**

6C6D66

**Deuteranomaly**

716B68

**Tritanomaly**

656E70

# Monochromacy



**Original Color**

646F67

**Achromatopsia**

6B6B6B

**Achromatomaly**

686C6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646F67 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 #646F67 looks like.

```
.text, #text, p{  
    color:#646F67  
}
```

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 #646F67 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646F67
}
```

## Border

The CSS property to change the border of an element to Hex 646F67 is called "border". The border property can be set on classes, ids or directly on the HTML element.

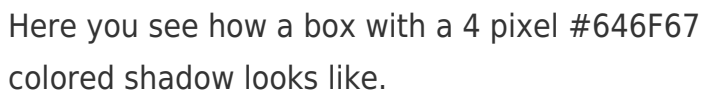
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646F67 }
```

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

```
.border{ border-color:#646F67 }
```

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



Here you see how a box with a 4 pixel #646F67 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646F67; -webkit-box-shadow:4px 4px  
4px 4px #646F67; box-shadow:4px 4px 4px  
4px #646F67 }
```

# Background

The CSS property to change the background color of an element to Hex 646F67 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646F67 }
```

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

```
.background{ background-color:#646F67 }
```

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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