

# Converting Colors

Hex(644F6A)

Have a look what the booklet for  
Hex(644F6A) contains.

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# Color

**Hex(644F6A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	644F6A
RGB	100, 79, 106
RGB Percent	39%, 31%, 42%
CMY	0.6078, 0.6902, 0.5843
CMYK	0.06, 0.25, 0.00, 0.58
HSL	287°, 15%, 36%
HSV	287°, 25%, 42%
XYZ	10.6530, 9.3419, 14.8774
YIQ	88.3570, 3.8490, 12.8490

# Conversions

## Conversions Part 2

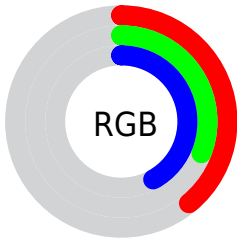
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 79, 106
Decimal	6573930
CIE <sub>Lab</sub>	36.63, 14.20, -12.26
CIE <sub>LCh</sub>	37, 18.762, 319.189
Yxy	9.3419, 0.3055, 0.2679
Android (android.graphics.Color)	4284764010 (0xFF644F6A)
YUV	88.3570, 8.6980, 10.2109
Hunter-Lab	30.5645, 8.7269, -7.4644

# Details

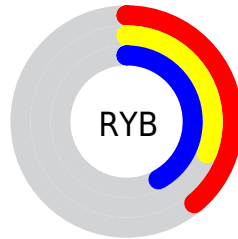
The Hex color **644F6A** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **556A4F**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **97809D**, and **35223B** is the 20% darker color. If you saturate the color by 10%, you get **62446A**, and if you desaturate by 10%, it is **665A6A**.

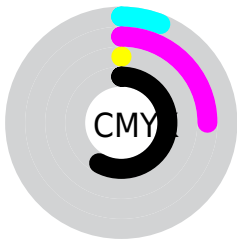
# Distribution



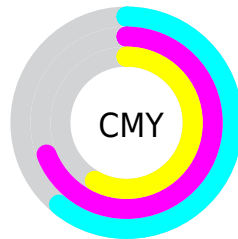
- Red (39%)
- Green (31%)
- Blue (42%)



- Red (39%)
- Yellow (31%)
- Blue (42%)



- Cyan (6%)
- Magenta (25%)
- Yellow (0%)
- Black (58%)



- Cyan (61%)
- Magenta (69%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 644F6A 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 644F6A by changing the saturation by 10% instead.



644F6A

644F6A

FFFFFF

4C3852

97809D

35223B

B29AB8

1F0E25

CEB5D4

00010F

EAD1F0

000000

FFEDFF

644F6A

644F6A

62446A

665A6A

5F3A6A

69646A

5D2F6A

6B6F6A

5B256A

6D796A

581A6A

70846A

560F6A

728F6A

54056A

74996A

52006A

77A46A

79AE6A

# Harmonies

## Analogous

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



515473



644F6A



704B5C

# Triad

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



644F6A



665339



275E60

# Complementary

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



644F6A



556A4F

# 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.



345E50



644F6A



575839

# Square

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



644F6A



704E40



465C42



285D6C

# Rectangle

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



644F6A



744B52



465C42



2A5F5A



# Sweetspot

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



644F6A



877F8A



4F556A



433E45



C4C4C4



454545



# Same Dimension

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



644F6A



805F8A



6A4F63



343036



5B0075



BE00F5



# Inverse Universe

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



6A4F55



8A5F68



4F6A56



363031



75001A



F50036



# Previews

## White Background



This preview shows how the Hex color 644F6A looks on a white background.

## Color Contrast Check

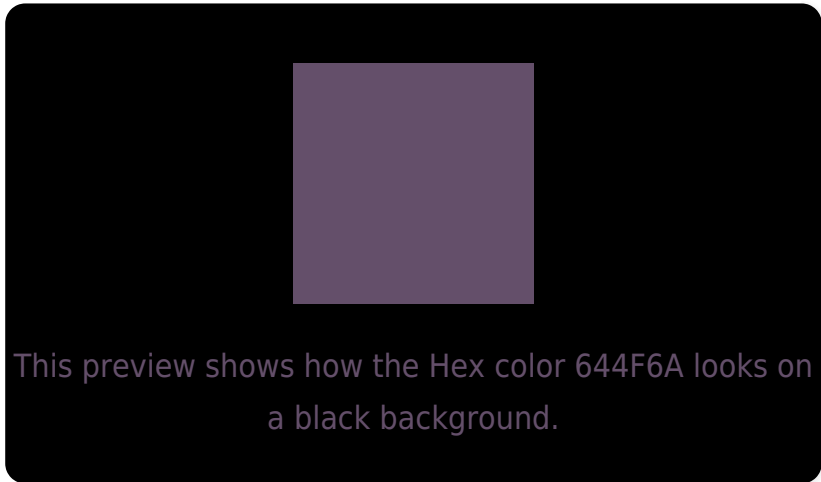
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

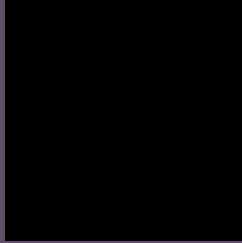
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 644F6A Background



This preview shows how black text looks on a background with the Hex color 644F6A.



This preview shows how white text looks on a background with the Hex color 644F6A.

# 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**

644F6A

**Protanopia**

50556F

**Deuteranopia**

555469



**Tritanopia**  
615259

# Trichromacy



**Original Color**

644F6A

**Protanomaly**

57536D

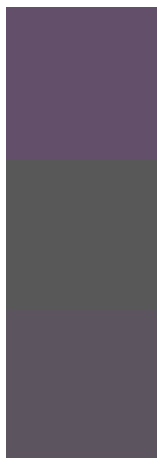
**Deuteranomaly**

5A5269

**Tritanomaly**

62515F

# Monochromacy



**Original Color**

644F6A

**Achromatopsia**

585858

**Achromatomaly**

5C555F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 644F6A 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 #644F6A looks like.

```
.text, #text, p{  
    color:#644F6A  
}
```

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 #644F6A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #644F6A
}
```

## Border

The CSS property to change the border of an element to Hex 644F6A is called "border". The border property can be set on classes, ids or directly on the HTML element.

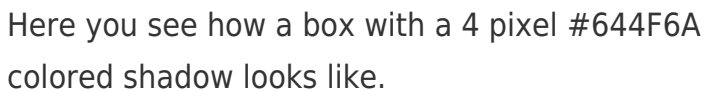
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#644F6A }
```

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

```
.border{ border-color:#644F6A }
```

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



Here you see how a box with a 4 pixel #644F6A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #644F6A; -webkit-box-shadow:4px 4px  
4px 4px #644F6A; box-shadow:4px 4px 4px  
4px #644F6A }
```

# Background

The CSS property to change the background color of an element to Hex 644F6A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#644F6A }
```

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

```
.background{ background-color:#644F6A }
```

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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