

# Converting Colors

Hex(644E6A)

Have a look what the booklet for  
Hex(644E6A) contains.

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# Color

**Hex(644E6A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	644E6A
RGB	100, 78, 106
RGB Percent	39%, 31%, 42%
CMY	0.6078, 0.6941, 0.5843
CMYK	0.06, 0.26, 0.00, 0.58
HSL	287°, 15%, 36%
HSV	287°, 26%, 42%
XYZ	10.5814, 9.1987, 14.8535
YIQ	87.7700, 4.1240, 13.3720

# Conversions

## Conversions Part 2

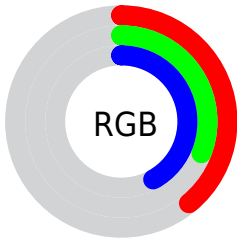
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 78, 106
Decimal	6573674
CIE <sub>Lab</sub>	36.36, 14.82, -12.67
CIE <sub>LCh</sub>	36, 19.503, 319.473
Yxy	9.1987, 0.3055, 0.2656
Android (android.graphics.Color)	4284763754 (0xFF644E6A)
YUV	87.7700, 8.9874, 10.7257
Hunter-Lab	30.3294, 9.1994, -7.8061

# Details

The Hex color **644E6A** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **546A4E**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **977F9D**, and **35213B** is the 20% darker color. If you saturate the color by 10%, you get **62436A**, and if you desaturate by 10%, it is **66596A**.

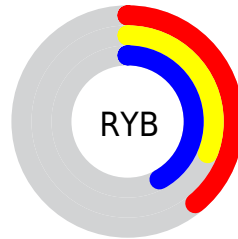
# Distribution



Red (39%)

Green (31%)

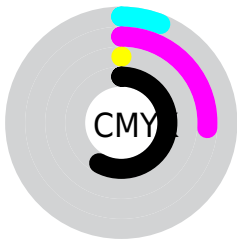
Blue (42%)



Red (39%)

Yellow (31%)

Blue (42%)

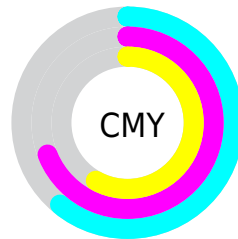


Cyan (6%)

Magenta (26%)

Yellow (0%)

Black (58%)



Cyan (61%)

Magenta (69%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 644E6A 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 644E6A by changing the saturation by 10% instead.



644E6A

644E6A

FFFFFF

4C3752

977F9D

35213B

B299B8

1F0C25

CEB4D4

00010F

EAD0F0

000000

FFECFF

644E6A

644E6A

62436A

66596A

5F396A

69636A

5D2E6A

6B6E6A

5B246A

6D786A

59196A

6F836A

560E6A

728E6A

54046A

74986A

53006A

76A36A

78AD6A

# Harmonies

## Analogous

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



505373



644E6A



714A5C

# Triad

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



644E6A



655337



235E5F

# Complementary

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



644E6A



546A4E

# 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.



325E4F



644E6A



565838

# Square

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



644E6A



704D3E



445C41



245C6D

# Rectangle

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



644E6A



744A51



445C41



275E5A



# Sweetspot

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



644E6A



877F8A



4E546A



433E45



C4C4C4



454545



# Same Dimension

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



644E6A



805E8A



6A4E62



343036



5C0075



C000F5



# Inverse Universe

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



6A4E54



8A5E67



4E6A56



363031



750019



F50034



# Previews

## White Background



This preview shows how the Hex color 644E6A looks on a white background.

## Color Contrast Check

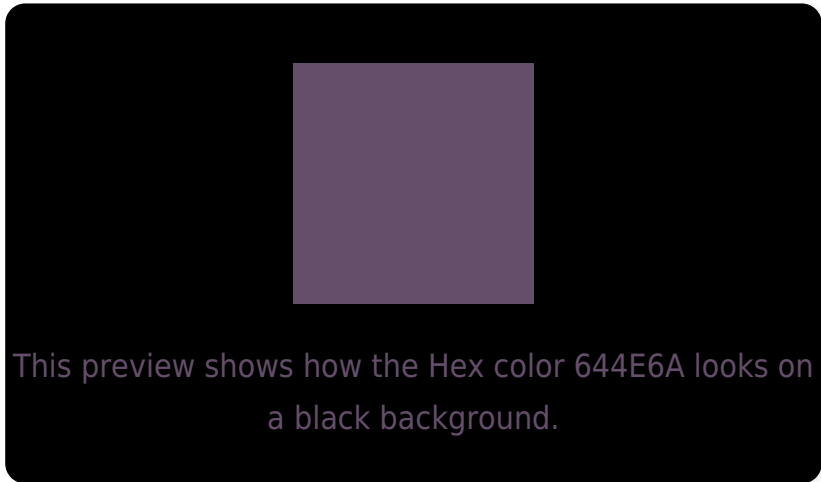
Large Text (above 18pt) WCAG AA ✓ Pass

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

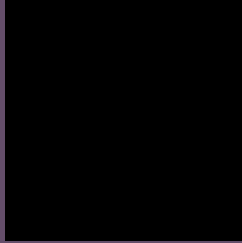
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 644E6A Background



This preview shows how black text looks on a background with the Hex color 644E6A.



This preview shows how white text looks on a background with the Hex color 644E6A.

# 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**  
644E6A

**Protanopia**  
4F556F

**Deuteranopia**  
545469



**Tritanopia**  
615158

# Trichromacy



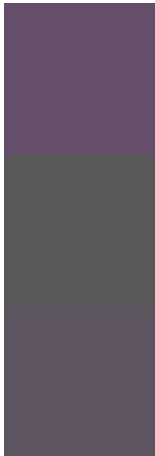
**Original Color**  
644E6A

**Protanomaly**  
57526D

**Deuteranomaly**  
5A5269

**Tritanomaly**  
62505F

# Monochromacy



**Original Color**  
644E6A

**Achromatopsia**  
585858

**Achromatomaly**  
5C545F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 644E6A 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 #644E6A looks like.

```
.text, #text, p{  
    color:#644E6A  
}
```

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 #644E6A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #644E6A
}
```

## Border

The CSS property to change the border of an element to Hex 644E6A is called "border". The border property can be set on classes, ids or directly on the HTML element.

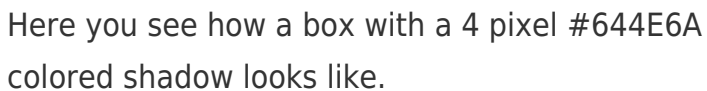
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#644E6A }
```

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

```
.border{ border-color:#644E6A }
```

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



Here you see how a box with a 4 pixel #644E6A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #644E6A; -webkit-box-shadow:4px 4px  
4px 4px #644E6A; box-shadow:4px 4px 4px  
4px #644E6A }
```

# Background

The CSS property to change the background color of an element to Hex 644E6A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#644E6A }
```

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

```
.background{ background-color:#644E6A }
```

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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