

# Converting Colors

Hex(644574)

Have a look what the booklet for  
Hex(644574) contains.

<b>Hex(644574)</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(644574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	644574
RGB	100, 69, 116
RGB Percent	39%, 27%, 45%
CMY	0.6078, 0.7294, 0.5451
CMYK	0.14, 0.41, 0.00, 0.55
HSL	280°, 25%, 36%
HSV	280°, 41%, 45%
XYZ	10.5360, 8.2265, 17.5556
YIQ	83.6270, 3.3890, 21.1890

# Conversions

## Conversions Part 2

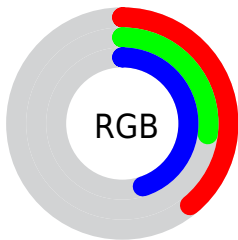
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 69, 116
Decimal	6571380
CIE <sub>Lab</sub>	34.45, 22.73, -21.87
CIE <sub>LCh</sub>	34, 31.543, 316.101
Yxy	8.2265, 0.2901, 0.2265
Android (android.graphics.Color)	4284761460 (0xFF644574)
YUV	83.6270, 15.9599, 14.3591
Hunter-Lab	28.6819, 15.3770, -16.2128

# Details

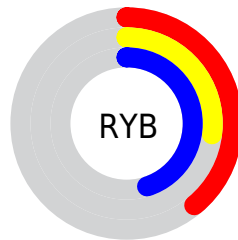
The Hex color **644574** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **557445**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **9876A8**, and **341844** is the 20% darker color. If you saturate the color by 10%, you get **603974**, and if you desaturate by 10%, it is **685174**.

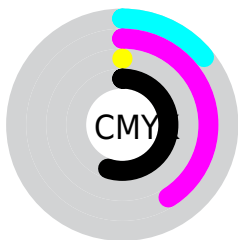
# Distribution



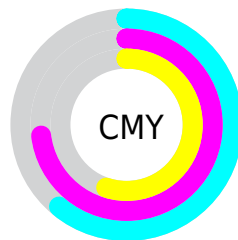
- Red (39%)
- Green (27%)
- Blue (45%)



- Red (39%)
- Yellow (27%)
- Blue (45%)



- Cyan (14%)
- Magenta (41%)
- Yellow (0%)
- Black (55%)



- Cyan (61%)
- Magenta (73%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 644574 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 644574 by changing the saturation by 10% instead.



644574

644574

FFFFFF

4B2E5B

9876A8

341844

B390C4

1F012D

CEAAE0

000118

EBC6FC

000000

FFE2FF

644574

644574

603974

685174

5C2E74

6C5C74

■ 582274

■ 706874

■ 541774

■ 747374

■ 500B74

■ 787F74

■ 4D0074

■ 7C8B74

■ 809674

■ 84A274

■ 88AD74

# Harmonies

## Analogous

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



3F4F81



644574



793D5E

# Triad

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



644574



694C1F



005E5E

# Complementary

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



644574



557445

# 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.



015D44



644574



52541E

# Square

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



644574



7A422E



365A2D



005C75

# Rectangle

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



644574



7F3B4D



365A2D



005E56



# Sweetspot

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



644574



908496



455574



49424D



CCCCCC



4D4D4D



# Same Dimension

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



644574



7D4D96



74456D



39353B



51007A



A500FA



# Inverse Universe

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



744555



964D66



45744C



3B3537



7A002A



FA0055



# Previews

## White Background



This preview shows how the Hex color 644574 looks on a white background.

## Color Contrast Check

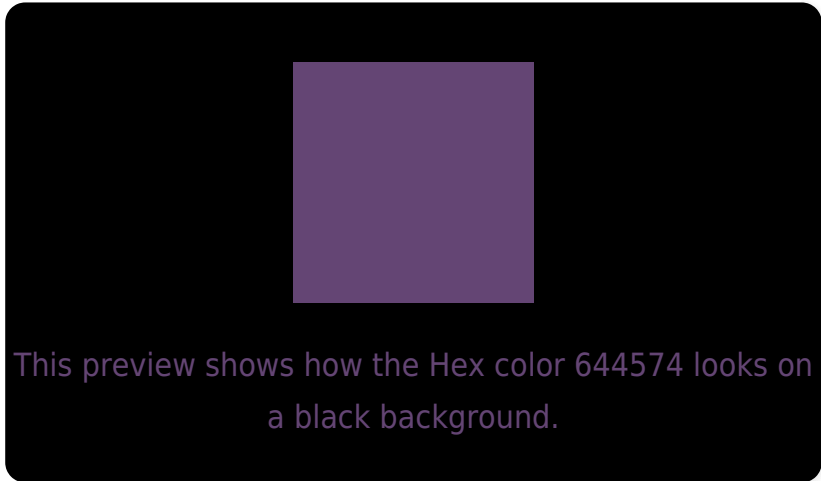
Large Text (above 18pt) WCAG AA ✓ Pass

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

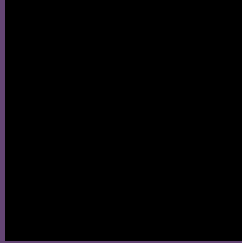
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 644574 Background



This preview shows how black text looks on a background with the Hex color 644574.



This preview shows how white text looks on a background with the Hex color 644574.

# 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





**Tritanopia**  
5F4C52

# Trichromacy



**Original Color**  
644574

**Protanomaly**  
4E4C7A

**Deuteranomaly**  
514C73

**Tritanomaly**  
61495E

# Monochromacy



**Original Color**  
644574

**Achromatopsia**  
545454

**Achromatomaly**  
5A4F60

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 644574 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 #644574 looks like.

```
.text, #text, p{  
    color:#644574  
}
```

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 #644574 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #644574  
}
```

## Border

The CSS property to change the border of an element to Hex 644574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

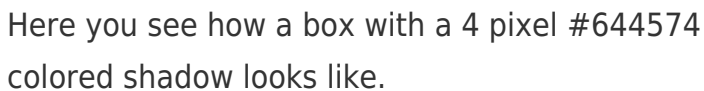
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#644574 }
```

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

```
.border{ border-color:#644574 }
```

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



Here you see how a box with a 4 pixel #644574 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #644574; -webkit-box-shadow:4px 4px  
4px 4px #644574; box-shadow:4px 4px 4px  
4px #644574 }
```

# Background

The CSS property to change the background color of an element to Hex 644574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#644574 }
```

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

```
.background{ background-color:#644574 }
```

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