

# Converting Colors

Hex(645E55)

Have a look what the booklet for  
Hex(645E55) contains.

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# Color

**Hex(645E55)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	645E55
RGB	100, 94, 85
RGB Percent	39%, 37%, 33%
CMY	0.6078, 0.6314, 0.6667
CMYK	0.00, 0.06, 0.15, 0.61
HSL	36°, 8%, 36%
HSV	36°, 15%, 39%
XYZ	10.8979, 11.3706, 10.2147
YIQ	94.7680, 6.4650, -1.5270

# Conversions

## Conversions Part 2

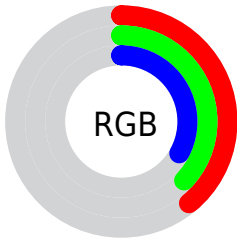
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	95, 100, 85
Decimal	6577749
CIE Lab	40.20, 0.67, 6.02
CIE LCh	40, 6.054, 83.605
Yxy	11.3706, 0.3355, 0.3500
Android (android.graphics.Color)	4284767829 (0xFF645E55)
YUV	94.7680, -4.8156, 4.5885
Hunter-Lab	33.7203, -1.3220, 5.6439

# Details

The Hex color **645E55** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **555B64**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **979087**, and **353028** is the 20% darker color. If you saturate the color by 10%, you get **645A4B**, and if you desaturate by 10%, it is **64625F**.

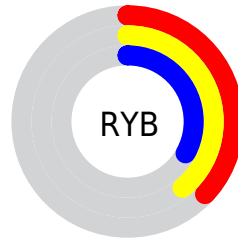
# Distribution



Red (39%)

Green (37%)

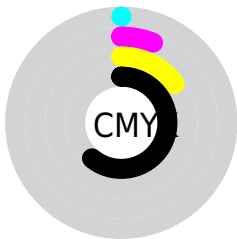
Blue (33%)



Red (37%)

Yellow (39%)

Blue (33%)

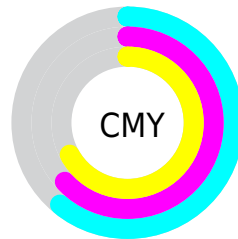


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (61%)



Cyan (61%)

Magenta (63%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 645E55 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 645E55 by changing the saturation by 10% instead.





645E55



645E55

FFFFFFF



4C463E



979087



353028



B2ABA1



201B14



CDC6BC



030000



E9E2D8



000000



FFFFFF4



645E55



645E55



645A4B



64625F



645641



646669

■ 645237

■ 646A73

■ 644E2D

■ 646E7D

■ 644A23

■ 647287

■ 644619

■ 647691

■ 64420F

■ 647A9B

■ 643E05

■ 647EA5

■ 643C00

■ 6482AF

# Harmonies

## Analogous

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



685D57



645E55



5F6056

# Triad

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



645E55



536262



645C65

# Complementary

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



645E55



555B64

# 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.



5E5E68



645E55



546166

# Square

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



645E55



54625D



585F68



685C60

# Rectangle

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



645E55



5B6157



585F68



625D66



# Sweetspot

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



645E55



827F7C



64555B



42413E



C2C2C2



424242



# Same Dimension

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



645E55



82796B



636455



33312E



734500



F29100



# Inverse Universe

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



555B64



6B7482



575564



2E3033



002E73



0061F2



# Previews

## White Background



This preview shows how the Hex color 645E55 looks on a white background.

## Color Contrast Check

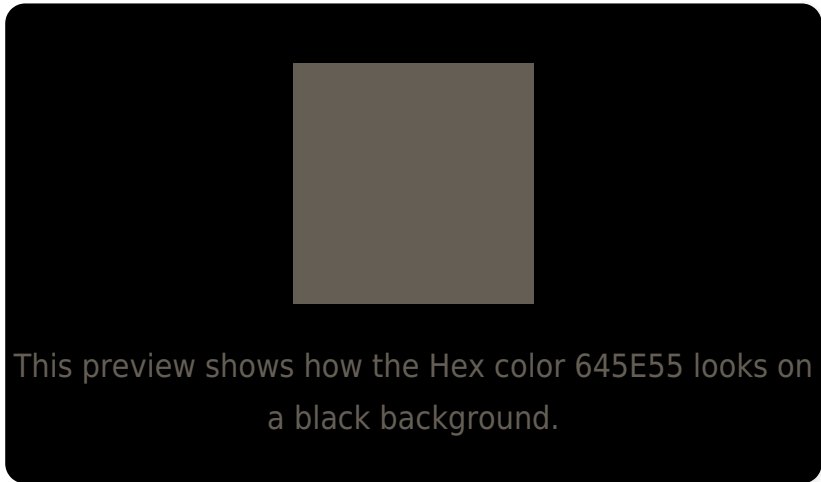
Large Text (above 18pt) WCAG AA ✓ Pass

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

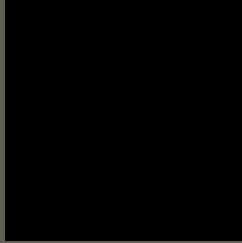
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 645E55 Background



This preview shows how black text looks on a background with the Hex color 645E55.



This preview shows how white text looks on a background with the Hex color 645E55.

# 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**

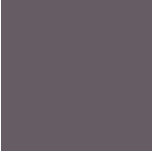
645E55

**Protanopia**

635E55

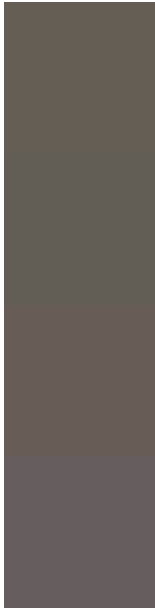
**Deuteranopia**

6B5B56



**Tritanopia**  
665C63

# Trichromacy



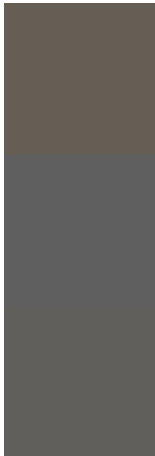
**Original Color**  
645E55

**Protanomaly**  
635E55

**Deuteranomaly**  
685C56

**Tritanomaly**  
655D5E

# Monochromacy



**Original Color**  
645E55

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
615F5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 645E55 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 #645E55 looks like.

```
.text, #text, p{  
    color:#645E55  
}
```

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 #645E55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #645E55
}
```

## Border

The CSS property to change the border of an element to Hex 645E55 is called "border". The border property can be set on classes, ids or directly on the HTML element.

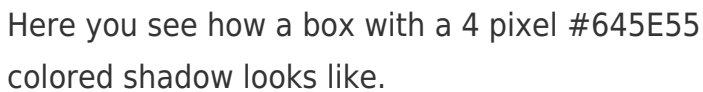
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#645E55 }
```

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

```
.border{ border-color:#645E55 }
```

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



Here you see how a box with a 4 pixel #645E55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #645E55; -webkit-box-shadow:4px 4px  
4px 4px #645E55; box-shadow:4px 4px 4px  
4px #645E55 }
```

# Background

The CSS property to change the background color of an element to Hex 645E55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#645E55 }
```

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

```
.background{ background-color:#645E55 }
```

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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