

# Converting Colors

Hex(663E33)

Have a look what the booklet for  
Hex(663E33) contains.

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# Color

**Hex(663E33)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	663E33
RGB	102, 62, 51
RGB Percent	40%, 24%, 20%
CMY	0.6000, 0.7569, 0.8000
CMYK	0.00, 0.39, 0.50, 0.60
HSL	13°, 33%, 30%
HSV	13°, 50%, 40%
XYZ	7.7997, 6.5090, 3.9773
YIQ	72.7060, 27.3710, 5.0590

# Conversions

## Conversions Part 2

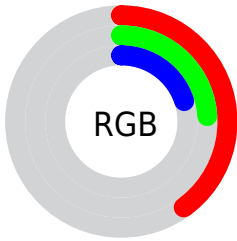
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 65, 51
Decimal	6700595
CIE Lab	30.66, 16.15, 14.09
CIE LCh	31, 21.433, 41.110
Yxy	6.5090, 0.4265, 0.3560
Android (android.graphics.Color)	4284890675 (0xFF663E33)
YUV	72.7060, -10.7011, 25.6908
Hunter-Lab	25.5128, 9.9227, 8.6161

# Details

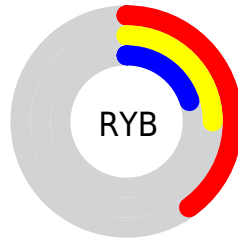
The Hex color **663E33** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **335B66**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **9B6E61**, and **351305** is the 20% darker color. If you saturate the color by 10%, you get **663629**, and if you desaturate by 10%, it is **66463D**.

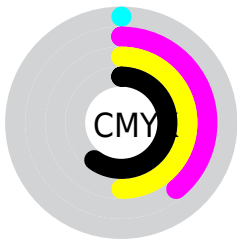
# Distribution



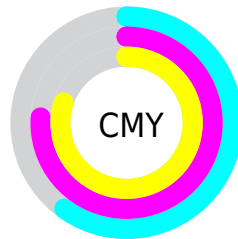
- Red (40%)
- Green (24%)
- Blue (20%)



- Red (40%)
- Yellow (25%)
- Blue (20%)



- Cyan (0%)
- Magenta (39%)
- Yellow (50%)
- Black (60%)



- Cyan (60%)
- Magenta (76%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 663E33 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 663E33 by changing the saturation by 10% instead.



 663E33

 663E33

FFFFFF

 4D281E

 9B6E61

 351305

 B6877A

 1F0000

 D3A294

 000000

 EFBDAF

 FFD9CA

 FFF5E6

 663E33

 663E33

 663629

 66463D

■ 662E1F

■ 664E47

■ 662614

■ 665652

■ 661E0A

■ 665E5C

■ 661600

■ 666666

■ 666E70

■ 66767A

■ 667E85

■ 66868F

# Harmonies

## Analogous

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



693B43



663E33



5C4429

# Triad

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



663E33



25503D



3A4869

# Complementary

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



663E33



335B66

# 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.



1B4D67



663E33



09514E

# Square

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



663E33



3B4E2E



00505E



524261

# Rectangle

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



663E33



524726



00505E



304A69



# Sweetspot

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



663E33



857571



66335C



423936



C2C2C2



424242



# Same Dimension

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



663E33



854635



665733



332F2E



731900



F23400



# Inverse Universe

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



335B66



357385



334266



2E3233



005A73



00BEF2



# Previews

## White Background



This preview shows how the Hex color 663E33 looks on a white background.

## Color Contrast Check

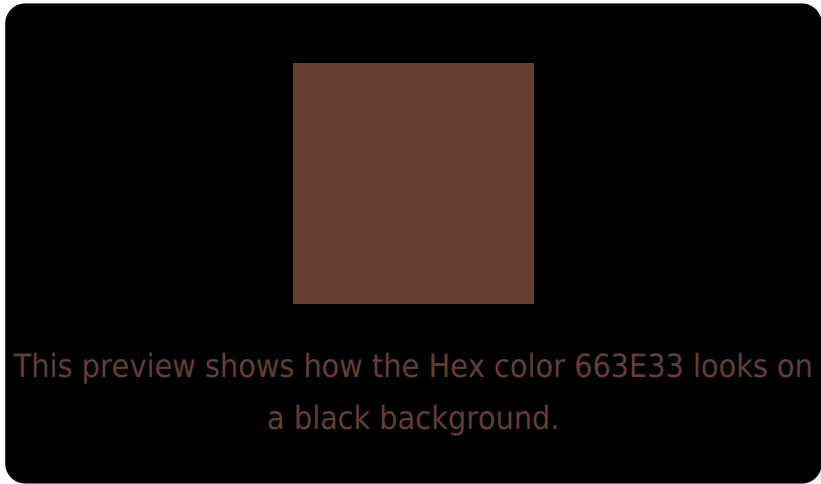
Large Text (above 18pt) WCAG AA ✓ Pass

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 663E33 Background



This preview shows how black text looks on a background with the Hex color 663E33.

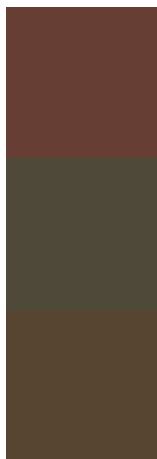


This preview shows how white text looks on a background with the Hex color 663E33.

# 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**  
663E33

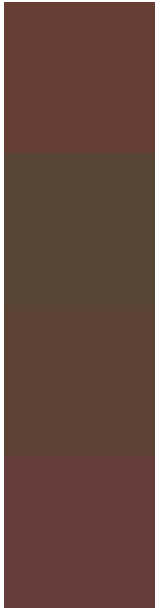
**Protanopia**  
4E4938

**Deuteranopia**  
574532



**Tritanopia**  
673C41

# Trichromacy



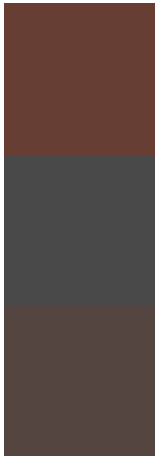
**Original Color**  
663E33

**Protanomaly**  
574536

**Deuteranomaly**  
5C4232

**Tritanomaly**  
673D3C

# Monochromacy



**Original Color**  
663E33

**Achromatopsia**  
494949

**Achromatomaly**  
544541

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 663E33 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 #663E33 looks like.

```
.text, #text, p{  
    color:#663E33  
}
```

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 #663E33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #663E33
}
```

## Border

The CSS property to change the border of an element to Hex 663E33 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".

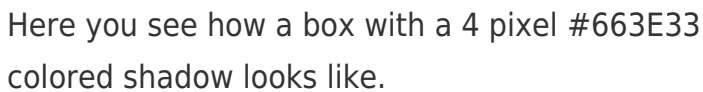
```
.border, #border, table{ border:4px solid
#663E33 }
```

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

```
.border{ border-color:#663E33 }
```

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

Here you see how a box with a 4 pixel #663E33 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #663E33; -webkit-box-shadow:4px 4px  
4px 4px #663E33; box-shadow:4px 4px 4px  
4px #663E33 }
```

# Background

The CSS property to change the background color of an element to Hex 663E33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#663E33 }
```

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

```
.background{ background-color:#663E33 }
```

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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