

# Converting Colors

Hex(78402D)

Have a look what the booklet for  
Hex(78402D) contains.

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**Color**

**Hex(78402D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78402D
RGB	120, 64, 45
RGB Percent	47%, 25%, 18%
CMY	0.5294, 0.7490, 0.8235
CMYK	0.00, 0.47, 0.62, 0.53
HSL	15°, 45%, 32%
HSV	15°, 62%, 47%
XYZ	10.0528, 7.8493, 3.4679
YIQ	78.5780, 39.4750, 5.9630

# Conversions

## Conversions Part 2

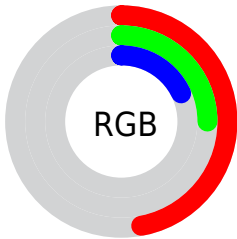
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 70, 45
Decimal	7880749
CIE Lab	33.67, 22.37, 22.24
CIE LCh	34, 31.545, 44.822
Yxy	7.8493, 0.4704, 0.3673
Android (android.graphics.Color)	4286070829 (0xFF78402D)
YUV	78.5780, -16.5540, 36.3271
Hunter-Lab	28.0166, 15.0193, 12.2728

# Details

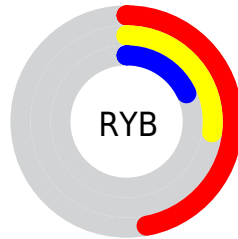
The Hex color **78402D** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **2D6578**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **AF715B**, and **441300** is the 20% darker color. If you saturate the color by 10%, you get **783721**, and if you desaturate by 10%, it is **784939**.

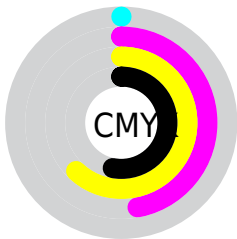
# Distribution



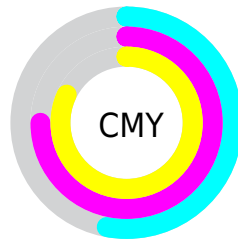
- Red (47%)
- Green (25%)
- Blue (18%)



- Red (47%)
- Yellow (27%)
- Blue (18%)



- Cyan (0%)
- Magenta (47%)
- Yellow (62%)
- Black (53%)



- Cyan (53%)
- Magenta (75%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78402D 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 78402D by changing the saturation by 10% instead.



 78402D

 78402D

FFFFFF

 5D2918

 AF715B

 441300

 CC8A74

 2B0000

 E9A58D

 000000

 FFC0A8

 FFDCC3

 FFF9DF

 FFFFFC

 78402D

 78402D

■ 783721

■ 784939

■ 782E15

■ 785245

■ 782509

■ 785B51

■ 781E00

■ 78645D

■ 786D69

■ 787675

■ 787F81

■ 78888D

■ 789199

# Harmonies

## Analogous

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



7E3A44



78402D



68491E

# Triad

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



78402D



025B41



3B4E7F

# Complementary

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



78402D



2D6578

# 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.



00557F



78402D



005C5B

# Square

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



78402D



35582A



005A72



614473

# Rectangle

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



78402D



5A4F1B



005A72



285181



# Sweetspot

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



78402D



9C857E



782D65



4F413D



CFCFCF



4F4F4F



# Same Dimension

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



78402D



9C4427



78652D



3D3937



7D2000



FC4000



# Inverse Universe

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



2D6578



277E9C



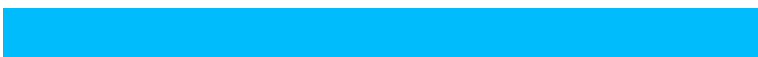
2D4078



373C3D



005D7D



00BCFC



# Previews

## White Background



This preview shows how the Hex color 78402D looks on a white background.

## Color Contrast Check

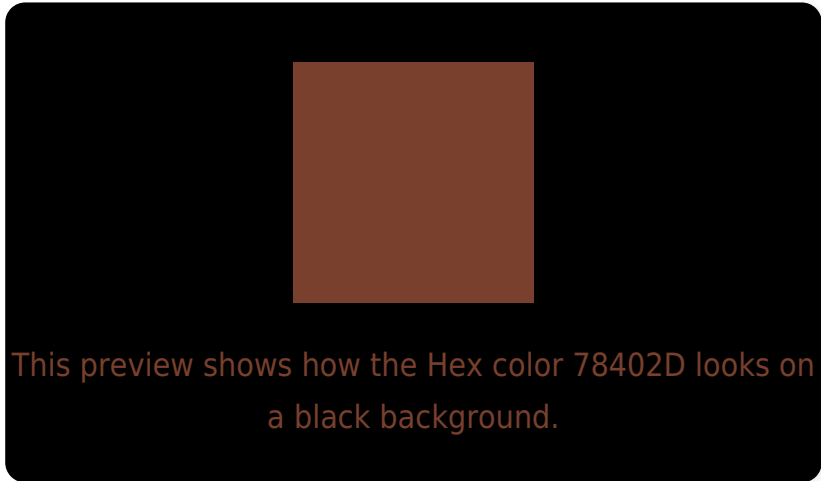
Large Text (above 18pt) WCAG AA ✓ Pass

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

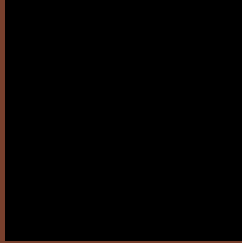
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 78402D Background



This preview shows how black text looks on a background with the Hex color 78402D.

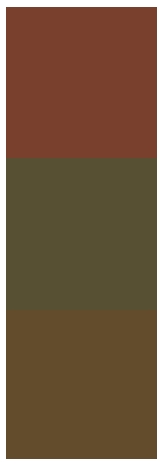


This preview shows how white text looks on a background with the Hex color 78402D.

# 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**  
78402D

**Protanopia**  
575033

**Deuteranopia**  
624C2B



**Tritanopia**  
793D42

# Trichromacy



**Original Color**  
78402D

**Protanomaly**  
634A31

**Deuteranomaly**  
6A482C

**Tritanomaly**  
793E3A

# Monochromacy



**Original Color**  
78402D

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
5E4A43

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78402D 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 #78402D looks like.

```
.text, #text, p{  
    color:#78402D  
}
```

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 #78402D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78402D
}
```

## Border

The CSS property to change the border of an element to Hex 78402D 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
#78402D }
```

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

```
.border{ border-color:#78402D }
```

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

Here you see how a box with a 4 pixel #78402D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78402D; -webkit-box-shadow:4px 4px  
4px 4px #78402D; box-shadow:4px 4px 4px  
4px #78402D }
```

# Background

The CSS property to change the background color of an element to Hex 78402D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78402D }
```

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

```
.background{ background-color:#78402D }
```

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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