

# Converting Colors

Hex(787F45)

Have a look what the booklet for  
Hex(787F45) contains.

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**Color**

**Hex(787F45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	787F45
RGB	120, 127, 69
RGB Percent	47%, 50%, 27%
CMY	0.5294, 0.5020, 0.7294
CMYK	0.06, 0.00, 0.46, 0.50
HSL	67°, 30%, 38%
HSV	67°, 46%, 50%
XYZ	16.4093, 19.6015, 8.5488
YIQ	118.2950, 14.4460, -19.5220

# Conversions

## Conversions Part 2

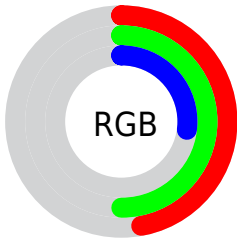
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 127, 76
Decimal	7896901
CIELab	51.38, -12.04, 30.54
CIELCh	51, 32.824, 111.510
Yxy	19.6015, 0.3683, 0.4399
Android (android.graphics.Color)	4286086981 (0xFF787F45)
YUV	118.2950, -24.3024, 1.4953
Hunter-Lab	44.2736, -11.3206, 19.5431

# Details

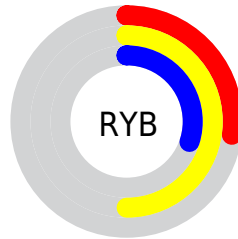
The Hex color **787F45** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4C457F**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **ADB476**, and **464E17** is the 20% darker color. If you saturate the color by 10%, you get **767F38**, and if you desaturate by 10%, it is **7A7F52**.

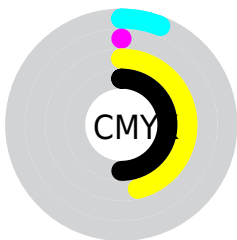
# Distribution



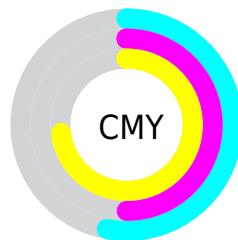
- Red (47%)
- Green (50%)
- Blue (27%)



- Red (27%)
- Yellow (50%)
- Blue (30%)



- Cyan (6%)
- Magenta (0%)
- Yellow (46%)
- Black (50%)



- Cyan (53%)
- Magenta (50%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 787F45 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 787F45 by changing the saturation by 10% instead.





787F45



787F45

FFFFFF



5F662E



ADB476



464E17



C9CF90



2F3700



E6EBAB



182200



FFFFC7



000900



FFFFE3



000000



787F45



787F45



767F38



7A7F52



757F2C



7B7F5E

 737F1F

 7D7F6B

 727F12

 7E7F78

 707F05

 807F84

 707F00

 817F91

 837F9E

 847FAB

 867FB7

# Harmonies

## Analogous

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



937643



787F45



578556

# Triad

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



787F45



0086A6



AB6584

# Complementary

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



787F45



4C457F

# 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.



966C9E



787F45



3F80B1

# Square

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



787F45



00898E



7176AF



B16567

# Rectangle

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



787F45



3E8868



7176AF



A6668D



# Sweetspot

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



787F45



A3A68F



7F4C45



525446



D4D4D4



545454



# Same Dimension

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



787F45



9BA64B



5B7F45



3F4039



708000



000000



# Inverse Universe

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



4C457F



564BA6



69457F



3A3940



0F0080



000000



# Previews

## White Background



This preview shows how the Hex color 787F45 looks on a white background.

## Color Contrast Check

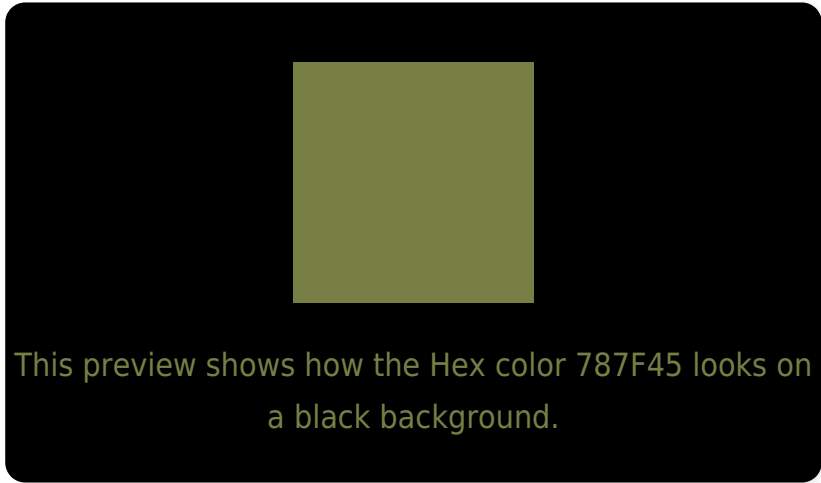
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

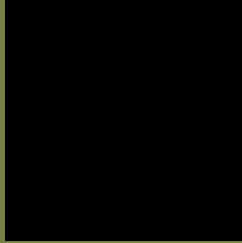
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

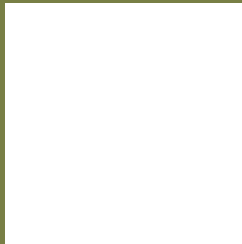
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 787F45 Background



This preview shows how black text looks on a background with the Hex color 787F45.



This preview shows how white text looks on a background with the Hex color 787F45.

# 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**  
787F45

**Protanopia**  
877A43

**Deuteranopia**  
957547



**Tritanopia**  
7F7882

# Trichromacy



**Original Color**  
787F45

**Protanomaly**  
827C44

**Deuteranomaly**  
8A7946

**Tritanomaly**  
7C7B6C

# Monochromacy



**Original Color**  
787F45

**Achromatopsia**  
767676

**Achromatomaly**  
777964

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 787F45 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 #787F45 looks like.

```
.text, #text, p{  
    color:#787F45  
}
```

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 #787F45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #787F45
}
```

## Border

The CSS property to change the border of an element to Hex 787F45 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
#787F45 }
```

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

```
.border{ border-color:#787F45 }
```

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

Here you see how a box with a 4 pixel #787F45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #787F45; -webkit-box-shadow:4px 4px  
4px 4px #787F45; box-shadow:4px 4px 4px  
4px #787F45 }
```

# Background

The CSS property to change the background color of an element to Hex 787F45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#787F45 }
```

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

```
.background{ background-color:#787F45 }
```

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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