

# Converting Colors

Hex(9A7648)

Have a look what the booklet for  
Hex(9A7648) contains.

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**Color**

**Hex(9A7648)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A7648
RGB	154, 118, 72
RGB Percent	60%, 46%, 28%
CMY	0.3961, 0.5373, 0.7176
CMYK	0.00, 0.23, 0.53, 0.40
HSL	34°, 36%, 44%
HSV	34°, 53%, 60%
XYZ	20.9746, 20.2948, 8.9427
YIQ	123.5200, 36.2220, -6.6740

# Conversions

## Conversions Part 2

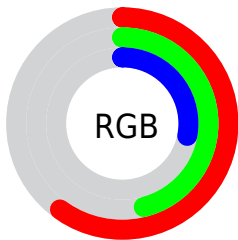
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 154, 72
Decimal	10122824
CIELab	52.17, 8.32, 30.60
CIElCh	52, 31.707, 74.791
Yxy	20.2948, 0.4177, 0.4042
Android (android.graphics.Color)	4288312904 (0xFF9A7648)
YUV	123.5200, -25.3994, 26.7310
Hunter-Lab	45.0497, 4.2703, 19.7653

# Details

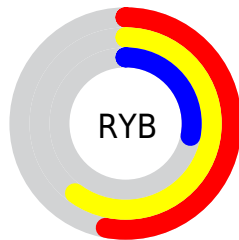
The Hex color **9A7648** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **486C9A**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **D2AA79**, and **64461A** is the 20% darker color. If you saturate the color by 10%, you get **9A6F39**, and if you desaturate by 10%, it is **9A7D57**.

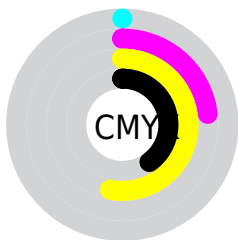
# Distribution



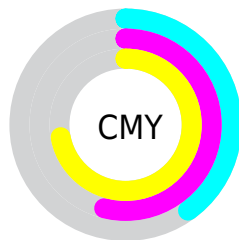
- Red (60%)
- Green (46%)
- Blue (28%)



- Red (53%)
- Yellow (60%)
- Blue (28%)



- Cyan (0%)
- Magenta (23%)
- Yellow (53%)
- Black (40%)



- Cyan (40%)
- Magenta (54%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9A7648 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 9A7648 by changing the saturation by 10% instead.



 9A7648

 9A7648

FFFFFF

 7F5D31

 D2AA79

 64461A

 EFC593

 4B3002

 FFE1AE

 321B00

 FFFECA

 1A0100

 FFFFEE

 000000

 9A7648

 9A7648

 9A6F39

 9A7D57

 9A6829

 9A8467

 9A621A

 9A8A76

 9A5B0A

 9A9186

 9A5600

 9A9895

 9A9FA4

 9AA5B4

 9AACCC

 9AB3D3

# Harmonies

## Analogous

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



AB6D57



9A7648



817F47

# Triad

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



9A7648



098B89



9070A3

# Complementary

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



9A7648



486C9A

# 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.



6A7AB1



9A7648



0089A2

# Square

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



9A7648



3F8A6D



3983B0



A9698B

# Rectangle

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



9A7648



6D844F



3983B0



8574A9



# Sweetspot

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



9A7648



C9BBA9



9A486D



665D53



E6E6E6



666666



# Same Dimension

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



9A7648



C99149



969A48



4D4945



8C4F00



0D0700



# Inverse Universe

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



486C9A



4981C9



4C489A



45484D



003E8C

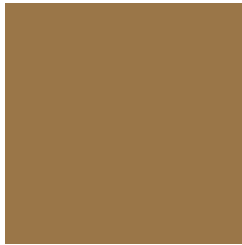


00060D



# Previews

## White Background



This preview shows how the Hex color 9A7648 looks on a white background.

## Color Contrast Check

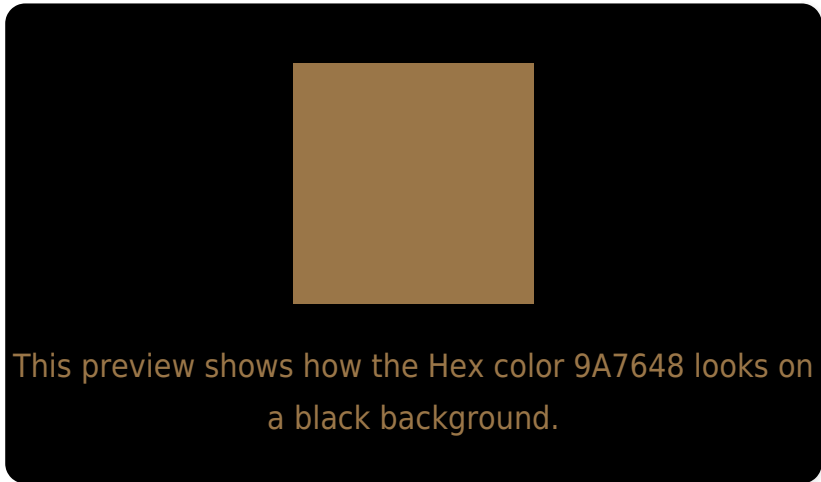
Large Text (above 18pt) WCAG AA ✓ Pass

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 9A7648 Background



This preview shows how black text looks on a background with the Hex color 9A7648.



This preview shows how white text looks on a background with the Hex color 9A7648.

# 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**  
9A7648

**Protanopia**  
887D4A

**Deuteranopia**  
987748



**Tritanopia**  
9E7079

# Trichromacy



**Original Color**  
9A7648

**Protanomaly**  
8F7A49

**Deuteranomaly**  
997748

**Tritanomaly**  
9D7267

# Monochromacy



**Original Color**  
9A7648

**Achromatopsia**  
7C7C7C

**Achromatomaly**  
877A69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9A7648 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 #9A7648 looks like.

```
.text, #text, p{  
    color:#9A7648  
}
```

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 #9A7648 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9A7648
}
```

## Border

The CSS property to change the border of an element to Hex 9A7648 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
#9A7648 }
```

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

```
.border{ border-color:#9A7648 }
```

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

Here you see how a box with a 4 pixel #9A7648 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9A7648; -webkit-box-shadow:4px 4px  
4px 4px #9A7648; box-shadow:4px 4px 4px  
4px #9A7648 }
```

# Background

The CSS property to change the background color of an element to Hex 9A7648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9A7648 }
```

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

```
.background{ background-color:#9A7648 }
```

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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