

# Converting Colors

Hex(99783A)

Have a look what the booklet for  
Hex(99783A) contains.

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**Color**

**Hex(99783A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99783A
RGB	153, 120, 58
RGB Percent	60%, 47%, 23%
CMY	0.4000, 0.5294, 0.7725
CMYK	0.00, 0.22, 0.62, 0.40
HSL	39°, 45%, 41%
HSV	39°, 62%, 60%
XYZ	20.6171, 20.5107, 6.8753
YIQ	122.7990, 39.5700, -12.2860

# Conversions

## Conversions Part 2

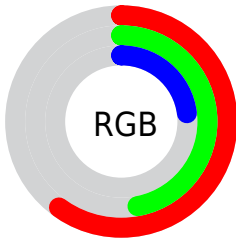
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 153, 58
Decimal	10057786
CIE <sub>Lab</sub>	52.41, 5.55, 38.31
CIE <sub>LCh</sub>	52, 38.707, 81.752
Yxy	20.5107, 0.4295, 0.4273
Android (android.graphics.Color)	4288247866 (0xFF99783A)
YUV	122.7990, -31.9459, 26.4863
Hunter-Lab	45.2888, 2.0042, 22.7013

# Details

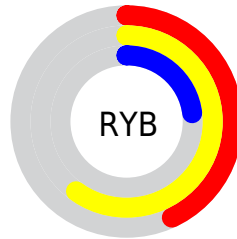
The Hex color **99783A** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **3A5B99**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **D2AC6B**, and **634809** is the 20% darker color. If you saturate the color by 10%, you get **99732B**, and if you desaturate by 10%, it is **997D49**.

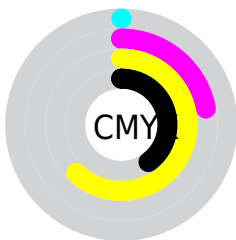
# Distribution



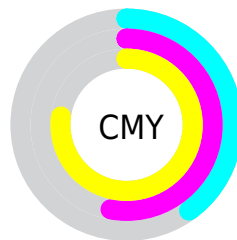
- Red (60%)
- Green (47%)
- Blue (23%)



- Red (43%)
- Yellow (60%)
- Blue (23%)



- Cyan (0%)
- Magenta (22%)
- Yellow (62%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 99783A 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 99783A by changing the saturation by 10% instead.



 99783A

 99783A

FFFFFF

 7E5F22

 D2AC6B

 634809

 EFC785

 493100

 FFE3A0

 301D00

 FFFFBB

 170400

 FFFFD7

 000000

 FFFFF4

 99783A

 99783A

 99732B

 997D49

 996D1B

 998359

 99680C

 998868

 996400

 998D77

 999387

 999896

 999DA5

 99A3B4

 99A8C4

# Harmonies

## Analogous

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



B16C4A



99783A



79833D

# Triad

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



99783A



008E95



9D6BA6

# Complementary

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



99783A



3A5B99

# 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.



7178BB



99783A



008BB0

# Square

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



99783A



0E8D72



2983BE



B66288

# Rectangle

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



99783A



60884A



2983BE



916FAF



# Sweetspot

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



99783A



C7BAA1



993A5B



635C4D



E3E3E3



636363



# Same Dimension

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



99783A



C79332



8B993A



4D4A45



8C5C00



0D0800



# Inverse Universe

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



3A5B99



3266C7



483A99



45484D



00318C



00040D



# Previews

## White Background



This preview shows how the Hex color 99783A looks on a white background.

## Color Contrast Check

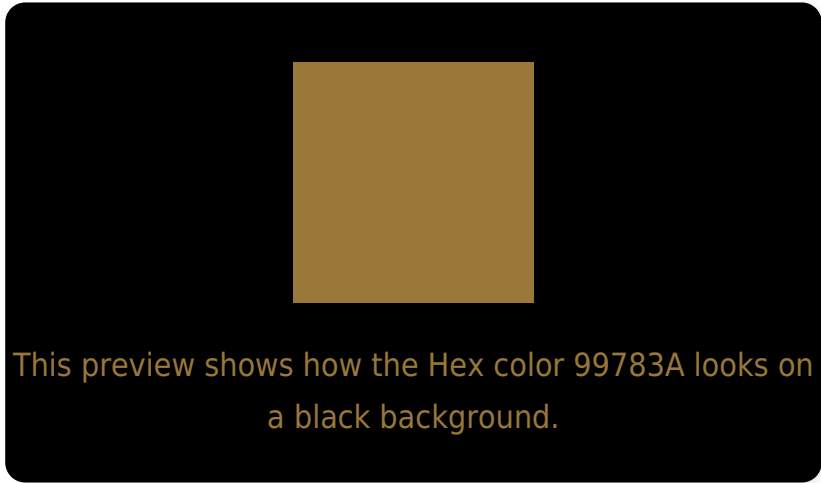
Large Text (above 18pt) WCAG AA ✓ Pass

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 99783A Background



This preview shows how black text looks on a background with the Hex color 99783A.



This preview shows how white text looks on a background with the Hex color 99783A.

# 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**  
99783A

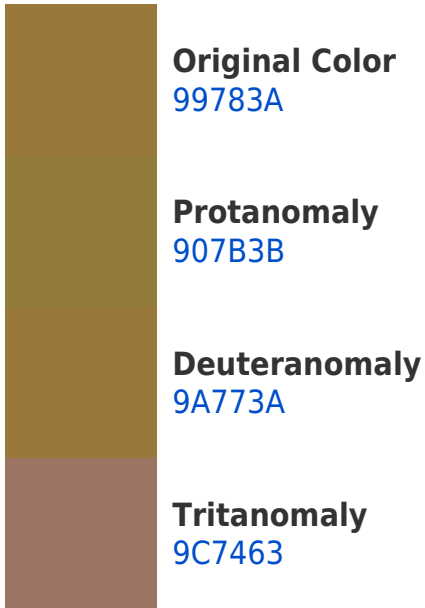
**Protanopia**  
8B7D3C

**Deuteranopia**  
9B773A

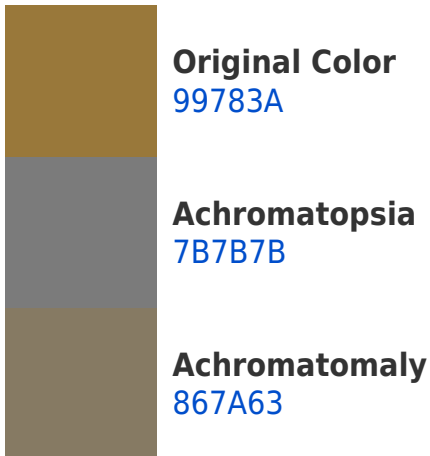


**Tritanopia**  
9E717A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 99783A 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 #99783A looks like.

```
.text, #text, p{  
    color:#99783A  
}
```

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 #99783A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #99783A
}
```

## Border

The CSS property to change the border of an element to Hex 99783A 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
#99783A }
```

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

```
.border{ border-color:#99783A }
```

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

Here you see how a box with a 4 pixel #99783A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #99783A; -webkit-box-shadow:4px 4px  
4px 4px #99783A; box-shadow:4px 4px 4px  
4px #99783A }
```

# Background

The CSS property to change the background color of an element to Hex 99783A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#99783A }
```

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

```
.background{ background-color:#99783A }
```

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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