

# Converting Colors

Hex(789A83)

Have a look what the booklet for  
Hex(789A83) contains.

|  |    |
|--|----|
| <b>Hex(789A83)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

Hex(789A83)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | 789A83                       |
| RGB           | 120, 154, 131                |
| RGB Percent   | 47%, 60%, 51%                |
| CMY           | 0.5294, 0.3961, 0.4863       |
| CMYK          | 0.22, 0.00, 0.15, 0.40       |
| HSL           | 139°, 14%, 54%               |
| HSV           | 139°, 22%, 60%               |
| XYZ           | 23.3981, 28.7430, 25.7875    |
| YIQ           | 141.2120, -12.8810, -14.3610 |

# Conversions

## Conversions Part 2

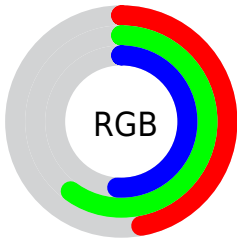
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 120, 146, 154                  |
| Decimal                             | 7903875                        |
| CIELab                              | 60.55, -16.61, 8.25            |
| CIElCh                              | 61, 18.545, 153.589            |
| Yxy                                 | 28.7430, 0.3003,<br>0.3688     |
| Android<br>(android.graphics.Color) | 4286093955<br>(0xFF789A83)     |
| YUV                                 | 141.2120, -5.0345,<br>-18.6029 |
| Hunter-Lab                          | 53.6125, -15.9191,<br>9.0104   |

# Details

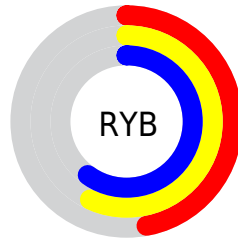
The Hex color **789A83** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9A788F**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **ADD0B8**, and **476752** is the 20% darker color. If you saturate the color by 10%, you get **699A79**, and if you desaturate by 10%, it is **879A8D**.

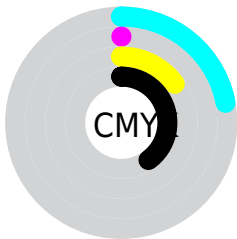
# Distribution



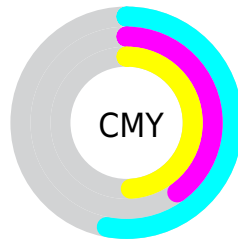
- Red (47%)
- Green (60%)
- Blue (51%)



- Red (47%)
- Yellow (57%)
- Blue (60%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (40%)



- Cyan (53%)
- Magenta (40%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 789A83 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 789A83 by changing the saturation by 10% instead.



 789A83

 789A83

FFFFFF

 5F806A

 ADD0B8

 476752

 C8EDD4

 2F4F3B

 E5FFF0

 193825

 032210

 000400

 000000

 789A83

 789A83

 699A79

 879A8D

■ 599A6E

■ 979A98

■ 4A9A64

■ A69AA2

■ 3A9A59

■ B69AAD

■ 2B9A4F

■ C59AB7

■ 1C9A44

■ D49AC2

■ 0C9A3A

■ E49ACC

■ 009A32

■ F39AD6

■ FF9AE1

# Harmonies

## Analogous

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



8A9777



789A83



699B93

# Triad

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



789A83



8293B2



B38881

# Complementary

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



789A83



9A788F

# 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.



B38691



789A83



978DAD

# Square

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



789A83



6E98AF



A988A1



AB8C75

# Rectangle

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



789A83



659B9E



A988A1



B48786



# Sweetspot

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



789A83



BBC9C0



8F9A78



5E6660



E6E6E6



666666



# Same Dimension

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



789A83



95C9A6



789A94



454D47



008C2D



000D04



# Inverse Universe

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



9A788F



C995B9



9A787E



4D454A



8C005F



0D0009



# Previews

## White Background



This preview shows how the Hex color 789A83 looks on a white background.

## Color Contrast Check

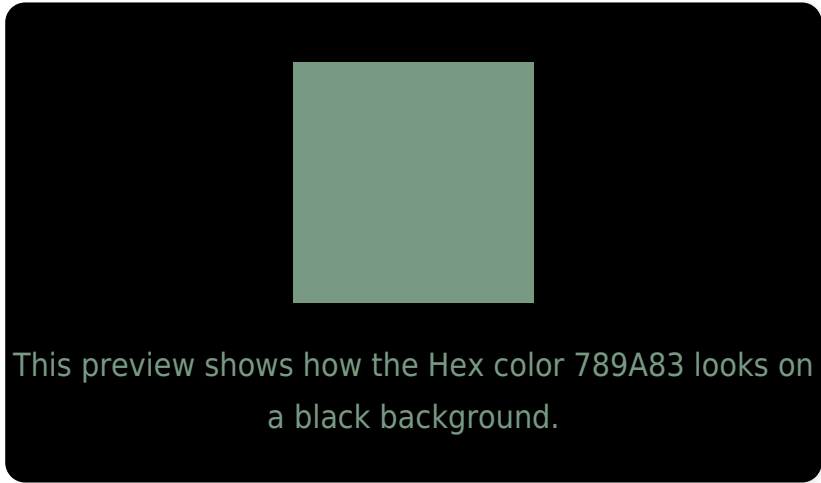
Large Text (above 18pt) WCAG AA ✓ Pass

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

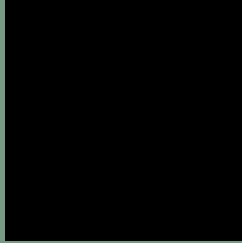
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 789A83 Background



This preview shows how black text looks on a background with the Hex color 789A83.

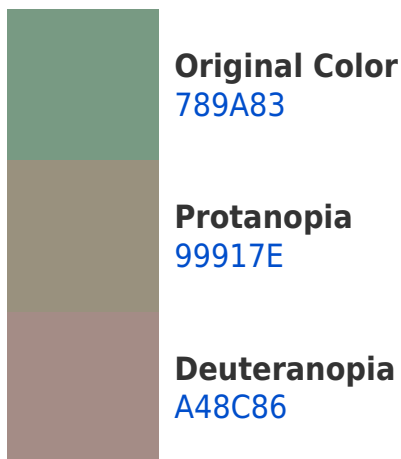


This preview shows how white text looks on a background with the Hex color 789A83.

# 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





**Tritanopia**  
7E96A2

# Trichromacy



**Original Color**  
789A83

**Protanomaly**  
8D9480

**Deuteranomaly**  
949185

**Tritanomaly**  
7C9797

# Monochromacy



**Original Color**  
789A83

**Achromatopsia**  
8D8D8D

**Achromatomaly**  
859289

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 789A83 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 #789A83 looks like.

```
.text, #text, p{  
    color:#789A83  
}
```

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 #789A83 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #789A83
}
```

## Border

The CSS property to change the border of an element to Hex 789A83 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
#789A83 }
```

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

```
.border{ border-color:#789A83 }
```

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

Here you see how a box with a 4 pixel #789A83 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #789A83; -webkit-box-shadow:4px 4px  
4px 4px #789A83; box-shadow:4px 4px 4px  
4px #789A83 }
```

# Background

The CSS property to change the background color of an element to Hex 789A83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#789A83 }
```

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

```
.background{ background-color:#789A83 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor