

# Converting Colors

Hex(07837B)

Have a look what the booklet for  
Hex(07837B) contains.

<b>Hex(07837B)</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(07837B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	07837B
RGB	7, 131, 123
RGB Percent	3%, 51%, 48%
CMY	0.9725, 0.4863, 0.5176
CMYK	0.95, 0.00, 0.06, 0.49
HSL	176°, 90%, 27%
HSV	176°, 95%, 51%
XYZ	11.7791, 17.7078, 21.5360
YIQ	93.0120, -71.3360, -28.7760

# Conversions

## Conversions Part 2

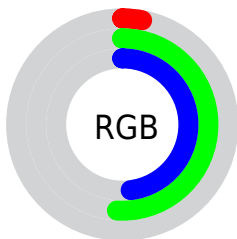
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 71, 131
Decimal	492411
CIELab	49.14, -31.49, -4.22
CIELCh	49, 31.772, 187.630
Yxy	17.7078, 0.2309, 0.3471
Android (android.graphics.Color)	4278682491 (0xFF07837B)
YUV	93.0120, 14.7841, -75.4325
Hunter-Lab	42.0807, -23.6761, -0.8869

# Details

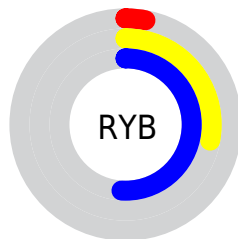
The Hex color **07837B** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **83070F**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **54B9AF**, and **00514A** is the 20% darker color. If you saturate the color by 10%, you get **00837B**, and if you desaturate by 10%, it is **14837C**.

# Distribution



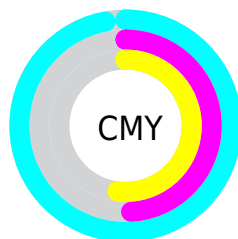
- Red (3%)
- Green (51%)
- Blue (48%)



- Red (3%)
- Yellow (28%)
- Blue (51%)



- Cyan (95%)
- Magenta (0%)
- Yellow (6%)
- Black (49%)



- Cyan (97%)
- Magenta (49%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 07837B 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 07837B by changing the saturation by 10% instead.



 07837B

 07837B

FFFFFF

 006962


 54B9AF

 00514A

 71D5CB

 003934

 8EF1E7

 00241F

 ABFFFF

 000007

 C8FFFF

 000000

 E5FFFF

 07837B

 07837B

 00837B

 14837C

■ 21837D

■ 2E837E

■ 3B837E

■ 49837F

■ 568380

■ 638381

■ 708382

■ 7D8383

# Harmonies

## Analogous

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



40815F



07837B



008295

# Triad

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



07837B



816B9F



976C43

# Complementary

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



07837B



83070F

# 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.



A66355



07837B



9C628A

# Square

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



07837B



5775AA



A85F6F



7F753E

# Rectangle

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



07837B



007FA2



A85F6F



9D6948



# Sweetspot

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



07837B



7BABA8



0F8307



395755



D6D6D6



575757



# Same Dimension

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



07837B



00ABA0



074D83



3C4242



00827A



000302



# Inverse Universe

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



83070F



AB000B



833D07



423C3C



820008



030000



# Previews

## White Background



This preview shows how the Hex color 07837B looks on a white background.

## Color Contrast Check

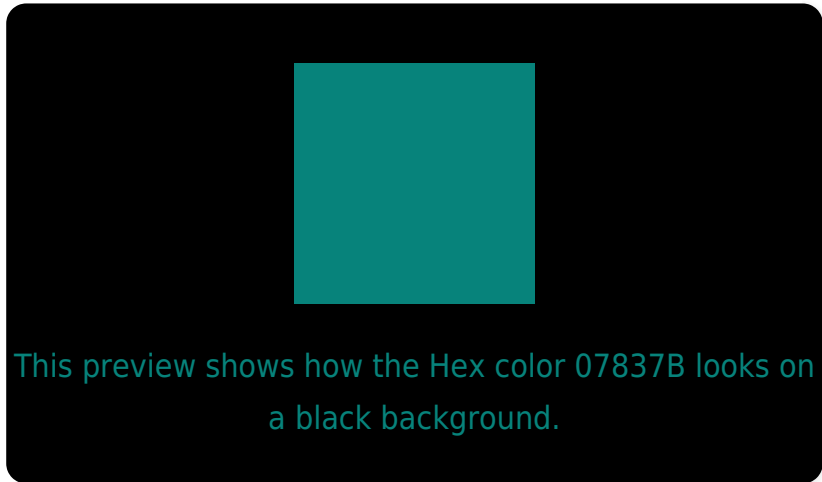
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

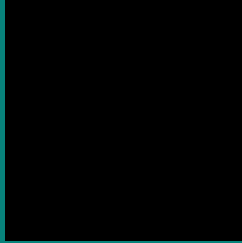
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 07837B Background



This preview shows how black text looks on a background with the Hex color 07837B.



This preview shows how white text looks on a background with the Hex color 07837B.

# 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**  
07837B

**Protanopia**  
777472

**Deuteranopia**  
7B717F



**Tritanopia**  
1F818B

# Trichromacy



**Original Color**  
07837B



**Protanomaly**  
4E7975



**Deuteranomaly**  
51787E



**Tritanomaly**  
168285

# Monochromacy



**Original Color**  
07837B



**Achromatopsia**  
5D5D5D



**Achromatomaly**  
3E6B68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 07837B 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 #07837B looks like.

```
.text, #text, p{  
    color:#07837B  
}
```

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 #07837B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #07837B
}
```

## Border

The CSS property to change the border of an element to Hex 07837B 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
#07837B }
```

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

```
.border{ border-color:#07837B }
```

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

Here you see how a box with a 4 pixel #07837B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #07837B; -webkit-box-shadow:4px 4px  
4px 4px #07837B; box-shadow:4px 4px 4px  
4px #07837B }
```

# Background

The CSS property to change the background color of an element to Hex 07837B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#07837B }
```

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

```
.background{ background-color:#07837B }
```

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