

# Converting Colors

Hex(007B72)

Have a look what the booklet for  
Hex(007B72) contains.

<b>Hex(007B72)</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(007B72)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007B72
RGB	0, 123, 114
RGB Percent	0%, 48%, 45%
CMY	1.0000, 0.5176, 0.5529
CMYK	1.00, 0.00, 0.07, 0.52
HSL	176°, 100%, 24%
HSV	176°, 100%, 48%
XYZ	10.1202, 15.3808, 18.3550
YIQ	85.1970, -70.4190, -28.8750

# Conversions

## Conversions Part 2

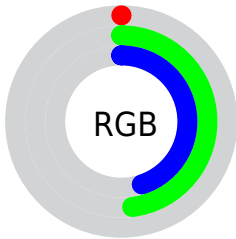
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 64, 123
Decimal	31602
CIELab	46.15, -30.91, -3.33
CIELCh	46, 31.088, 186.140
Yxy	15.3808, 0.2308, 0.3507
Android (android.graphics.Color)	4278221682 (0xFF007B72)
YUV	85.1970, 14.1999, -74.7178
Hunter-Lab	39.2184, -22.5706, -0.2960

# Details

The Hex color **007B72** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7B0009**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **4FB0A6**, and **004942** is the 20% darker color. If you saturate the color by 10%, you get **007B72**, and if you desaturate by 10%, it is **0C7B73**.

# Distribution



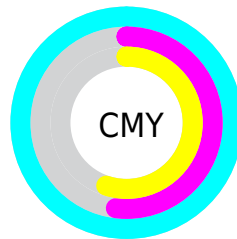
- Red (0%)
- Green (48%)
- Blue (45%)



- Red (0%)
- Yellow (25%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007B72 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 007B72 by changing the saturation by 10% instead.



 007B72

 007B72

FFFFFF

 00625A

 4FB0A6

 004942

 6CCCC1

 00322C

 89E8DD

 001E18

 A5FFF9

 000000

 C2FFFF

 DFFFFF


 FFFFFFFF

 007B72

 0C7B73

 197B74

 257B75

 317B76

 3E7B76

 4A7B77

 567B78

 627B79

 6F7B7A

# Harmonies

## Analogous

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



3C7957



007B72



007A8B

# Triad

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



007B72



776597



8F643E

# Complementary

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



007B72



7B0009

# 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.



9D5C50



007B72



925C83

# Square

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



007B72



4E6EA1



9F5869



796E39

# Rectangle

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



007B72



007798



9F5869



956143



# Sweetspot

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



007B72



70A19D



0A7B00



34524F



D1D1D1



525252



# Same Dimension

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



007B72



00A195



00487B



373D3D



007D74



00FCEA



# Inverse Universe

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



7B0009



A1000C



7B3300



3D3738



7D0009



FC0012



# Previews

## White Background



This preview shows how the Hex color 007B72 looks on a white background.

## Color Contrast Check

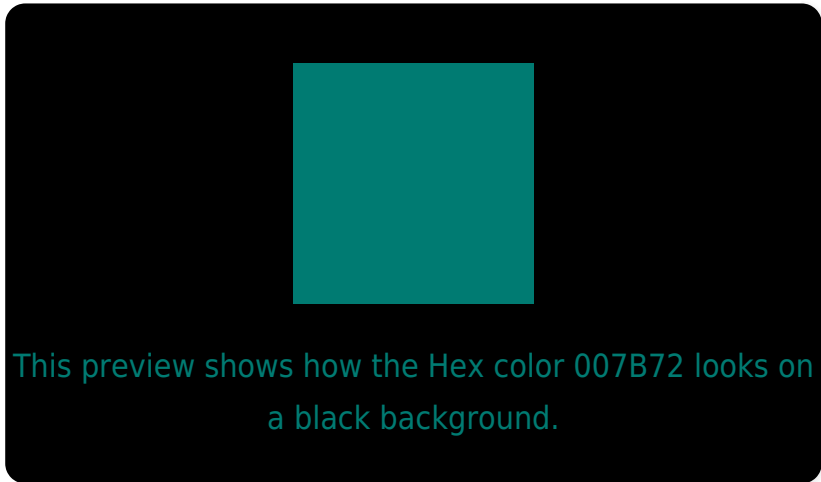
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

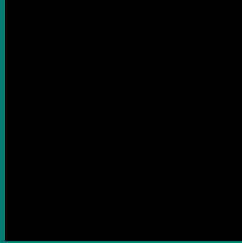
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007B72 Background



This preview shows how black text looks on a background with the Hex color 007B72.

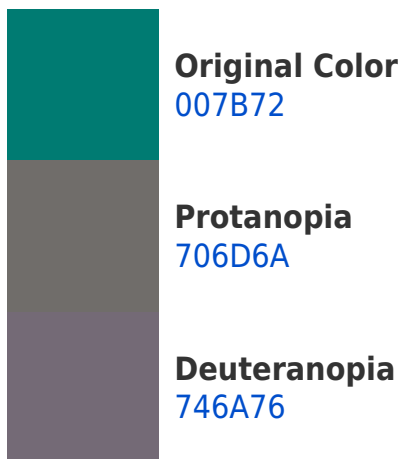


This preview shows how white text looks on a background with the Hex color 007B72.

# 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**  
1D7982

# Trichromacy



**Original Color**

007B72



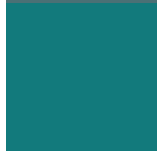
**Protanomaly**

47726D



**Deuteranomaly**

4A7075



**Tritanomaly**

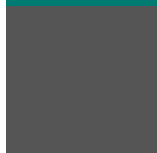
127A7C

# Monochromacy



**Original Color**

007B72



**Achromatopsia**

555555



**Achromatomaly**

366360

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007B72 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 #007B72 looks like.

```
.text, #text, p{  
    color:#007B72  
}
```

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 #007B72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007B72
}
```

## Border

The CSS property to change the border of an element to Hex 007B72 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
#007B72 }
```

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

```
.border{ border-color:#007B72 }
```

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

Here you see how a box with a 4 pixel #007B72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007B72; -webkit-box-shadow:4px 4px  
4px 4px #007B72; box-shadow:4px 4px 4px  
4px #007B72 }
```

# Background

The CSS property to change the background color of an element to Hex 007B72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007B72 }
```

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

```
.background{ background-color:#007B72 }
```

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