

# Converting Colors

Hex(007B84)

Have a look what the booklet for  
Hex(007B84) contains.

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**Color**

**Hex(007B84)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007B84
RGB	0, 123, 132
RGB Percent	0%, 48%, 52%
CMY	1.0000, 0.5176, 0.4824
CMYK	1.00, 0.07, 0.00, 0.48
HSL	184°, 100%, 26%
HSV	184°, 100%, 52%
XYZ	11.2478, 15.8319, 24.2928
YIQ	87.2490, -76.1970, -23.2770

# Conversions

## Conversions Part 2

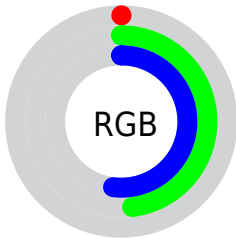
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 64, 132
Decimal	31620
CIELab	46.75, -25.01, -13.11
CIELCh	47, 28.236, 207.659
Yxy	15.8319, 0.2189, 0.3082
Android (android.graphics.Color)	4278221700 (0xFF007B84)
YUV	87.2490, 22.0622, -76.5174
Hunter-Lab	39.7893, -19.1720, -8.3463

# Details

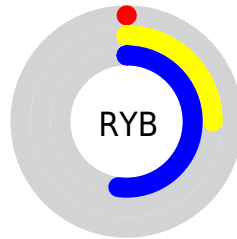
The Hex color **007B84** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **840900**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **52B0B9**, and **004A53** is the 20% darker color. If you saturate the color by 10%, you get **007B84**, and if you desaturate by 10%, it is **0D7C84**.

# Distribution



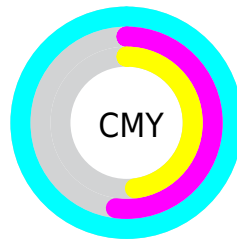
- Red (0%)
- Green (48%)
- Blue (52%)



- Red (0%)
- Yellow (25%)
- Blue (52%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (52%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007B84 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 007B84 by changing the saturation by 10% instead.



 007B84

 007B84

FFFFFF

 00626B

 52B0B9

 004A53

 6FCBD5

 00333C

 8CE8F1

 001F26

 A9FFFF

 000111

 C6FFFF

 000000

 E3FFFF

 007B84

 0D7C84

 1A7D84

 287E84

 357F84

 428084

 4F8084

 5C8184

 6A8284

 778384

# Harmonies

## Analogous

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



2B7B6C



007B84



1B7896

# Triad

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



007B84



8B6188



806D3F

# Complementary

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



007B84



840900

# 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.



936447



007B84



9A5C72

# Square

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



007B84



6F6999



9C5E5A



687444

# Rectangle

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



007B84



3A749D



9C5E5A



876A40



# Sweetspot

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



007B84



78A7AB



008409



375557



D6D6D6



575757



# Same Dimension

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



007B84



009FAB



003984



3C4242



007982



000203



# Inverse Universe

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



84007B



AB009F



844B00



423C42



820079



030002



# Previews

## White Background



This preview shows how the Hex color 007B84 looks on a white background.

## Color Contrast Check

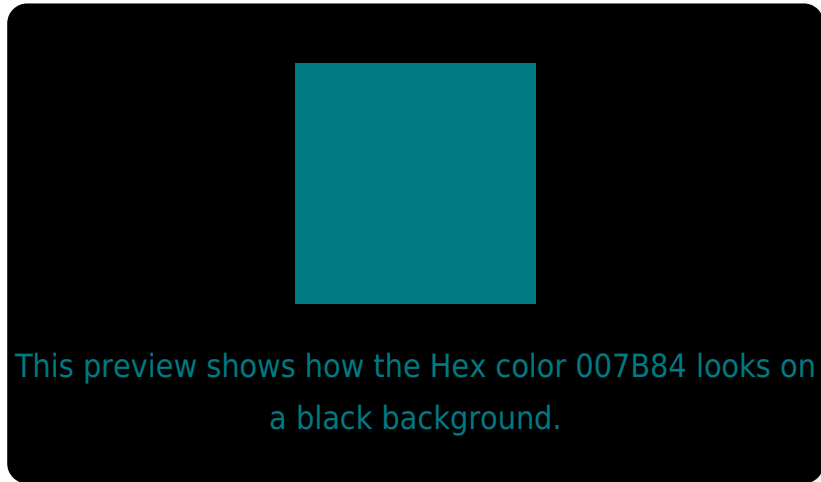
Large Text (above 18pt) WCAG AA ✓ Pass

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

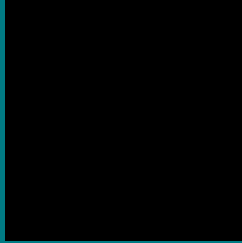
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007B84 Background



This preview shows how black text looks on a background with the Hex color 007B84.

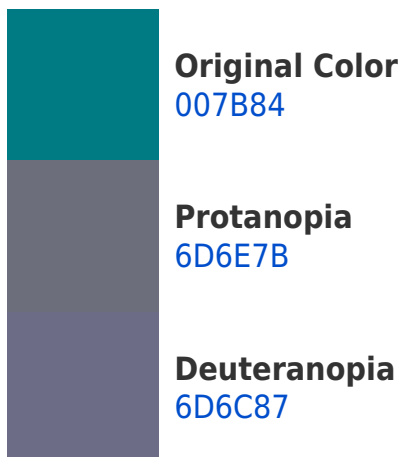


This preview shows how white text looks on a background with the Hex color 007B84.

# 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



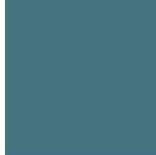


**Tritanopia**  
087B85

# Trichromacy



**Original Color**  
007B84



**Protanomaly**  
45737E



**Deuteranomaly**  
457186



**Tritanomaly**  
057B85

# Monochromacy



**Original Color**  
007B84



**Achromatopsia**  
575757



**Achromatomaly**  
376467

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007B84 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 #007B84 looks like.

```
.text, #text, p{  
    color:#007B84  
}
```

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 #007B84 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007B84
}
```

## Border

The CSS property to change the border of an element to Hex 007B84 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
#007B84 }
```

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

```
.border{ border-color:#007B84 }
```

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

Here you see how a box with a 4 pixel #007B84 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007B84; -webkit-box-shadow:4px 4px  
4px 4px #007B84; box-shadow:4px 4px 4px  
4px #007B84 }
```

# Background

The CSS property to change the background color of an element to Hex 007B84 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007B84 }
```

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

```
.background{ background-color:#007B84 }
```

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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