

# Converting Colors

Hex(007D8B)

Have a look what the booklet for  
Hex(007D8B) contains.

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# Color

**Hex(007D8B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007D8B
RGB	0, 125, 139
RGB Percent	0%, 49%, 55%
CMY	1.0000, 0.5098, 0.4549
CMYK	1.00, 0.10, 0.00, 0.45
HSL	186°, 100%, 27%
HSV	186°, 100%, 55%
XYZ	11.9938, 16.5313, 26.9848
YIQ	89.2210, -78.9940, -22.1460

# Conversions

## Conversions Part 2

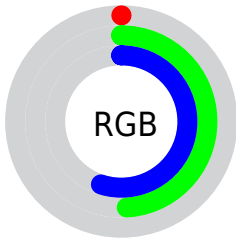
Format	Color
<a href="#">RYB</a>	<a href="#">0, 66, 139</a>
Decimal	<a href="#">32139</a>
CIELab	<a href="#">47.66, -23.62, -15.86</a>
CIELCh	<a href="#">48, 28.455, 213.878</a>
Yxy	<a href="#">16.5313, 0.2161, 0.2978</a>
Android (android.graphics.Color)	<a href="#">4278222219</a> ( <a href="#">0xFF007D8B</a> )
YUV	<a href="#">89.2210, 24.5410, -78.2468</a>
Hunter-Lab	<a href="#">40.6587, -18.4975, -10.8891</a>

# Details

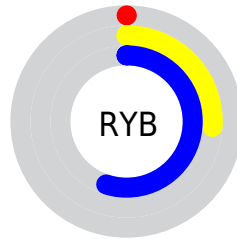
The Hex color **007D8B** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8B0E00**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **54B2C0**, and **004C59** is the 20% darker color. If you saturate the color by 10%, you get **007D8B**, and if you desaturate by 10%, it is **0E7E8B**.

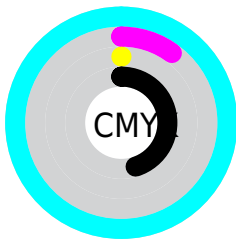
# Distribution



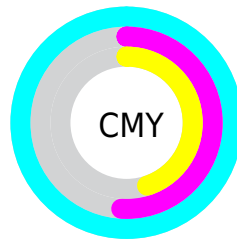
- Red (0%)
- Green (49%)
- Blue (55%)



- Red (0%)
- Yellow (26%)
- Blue (55%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (51%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007D8B 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 007D8B by changing the saturation by 10% instead.



 007D8B

 007D8B

FFFFFF

 006472

 54B2C0

 004C59

 71CEDC

 003442

 8EEAF9

 00202B

 ABFFFF

 000117

 C8FFFF

 000000

 E6FFFF

 007D8B

 0E7E8B

 1C808B

 2A818B

 38838B

 46848B

 53858B

 61878B

 6F888B

 7D8A8B

# Harmonies

## Analogous

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



257E73



007D8B



27799C

# Triad

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



007D8B



926287



7E7141

# Complementary

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



007D8B



8B0E00

# 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.



926847



007D8B



9F5E6F

# Square

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



007D8B



786A99



9E6158



647848

# Rectangle

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



007D8B



4575A0



9E6158



856E41



# Sweetspot

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



007D8B



7FB0B5



008B0E



3B585C



DBDBDB



5C5C5C



# Same Dimension

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



007D8B



00A3B5



00388B



3E4445



007785



000505



# Inverse Universe

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



8B007D



B500A3



8B5300



453E44



850077



050005



# Previews

## White Background



This preview shows how the Hex color 007D8B looks on a white background.

## Color Contrast Check

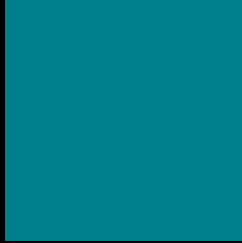
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 007D8B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

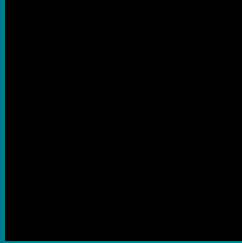
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007D8B Background



This preview shows how black text looks on a background with the Hex color 007D8B.



This preview shows how white text looks on a background with the Hex color 007D8B.

# 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**  
007D88

# Trichromacy



**Original Color**  
007D8B



**Protanomaly**  
457585



**Deuteranomaly**  
45748D



**Tritanomaly**  
007D89

# Monochromacy



**Original Color**  
007D8B



**Achromatopsia**  
595959



**Achromatomaly**  
39666B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007D8B 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 #007D8B looks like.

```
.text, #text, p{  
    color:#007D8B  
}
```

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 #007D8B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007D8B
}
```

## Border

The CSS property to change the border of an element to Hex 007D8B 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
#007D8B }
```

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

```
.border{ border-color:#007D8B }
```

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

Here you see how a box with a 4 pixel #007D8B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007D8B; -webkit-box-shadow:4px 4px  
4px 4px #007D8B; box-shadow:4px 4px 4px  
4px #007D8B }
```

# Background

The CSS property to change the background color of an element to Hex 007D8B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007D8B }
```

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

```
.background{ background-color:#007D8B }
```

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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