

# Converting Colors

Hex(1C7980)

Have a look what the booklet for  
Hex(1C7980) contains.

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**Color**

**Hex(1C7980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1C7980
RGB	28, 121, 128
RGB Percent	11%, 47%, 50%
CMY	0.8902, 0.5255, 0.4980
CMYK	0.78, 0.05, 0.00, 0.50
HSL	184°, 64%, 31%
HSV	184°, 78%, 50%
XYZ	11.2125, 15.4801, 22.8191
YIQ	93.9910, -57.6750, -17.5390

# Conversions

## Conversions Part 2

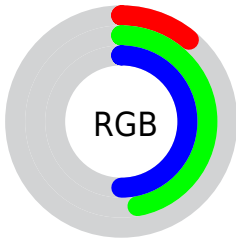
<b>Format</b>	<b>Color</b>
<b>RYB</b>	28, 76, 128
Decimal	1866112
CIELab	46.28, -23.25, -11.41
CIElCh	46, 25.897, 206.142
Yxy	15.4801, 0.2265, 0.3127
Android (android.graphics.Color)	4280056192 (0xFF1C7980)
YUV	93.9910, 16.7664, -57.8741
Hunter-Lab	39.3448, -17.9842, -6.8455

# Details

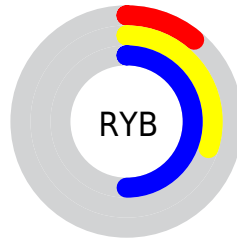
The Hex color **1C7980** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **80231C**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **5BAEB5**, and **00484F** is the 20% darker color. If you saturate the color by 10%, you get **0F7880**, and if you desaturate by 10%, it is **297A80**.

# Distribution



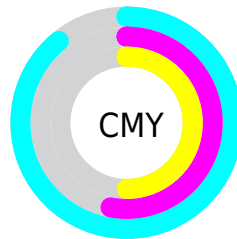
- Red (11%)
- Green (47%)
- Blue (50%)



- Red (11%)
- Yellow (30%)
- Blue (50%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (89%)
- Magenta (53%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1C7980 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 1C7980 by changing the saturation by 10% instead.



1C7980

1C7980

FFFFFF

006067

5BAEB5

00484F

77C9D0

003138

93E5ED

001E23

AFFFFF

00000C

CCFFFF

000000

EAFFFF

1C7980

1C7980

0F7880

297A80

■ 027780

■ 367B80

■ 007780

■ 427C80

■ 4F7D80

■ 5C7D80

■ 697E80

■ 767F80

■ 828080

■ 8F8180

# Harmonies

## Analogous

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



34796A



1C7980



277691

# Triad

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



1C7980



866286



7F6B42

# Complementary

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



1C7980



80231C

# 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.



90644A



1C7980



955D71

# Square

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



1C7980



6C6995



985E5C



697246

# Rectangle

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



1C7980



3E7397



985E5C



856944



# Sweetspot

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



1C7980



80A3A6



1C8023



3D5354



D4D4D4



545454



# Same Dimension

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



1C7980



0A9BA6



1C4780



393F40



007780



000000



# Inverse Universe

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



801C79



A60A9B



80551C



40393F



800077



000000



# Previews

## White Background



This preview shows how the Hex color 1C7980 looks on a white background.

## Color Contrast Check

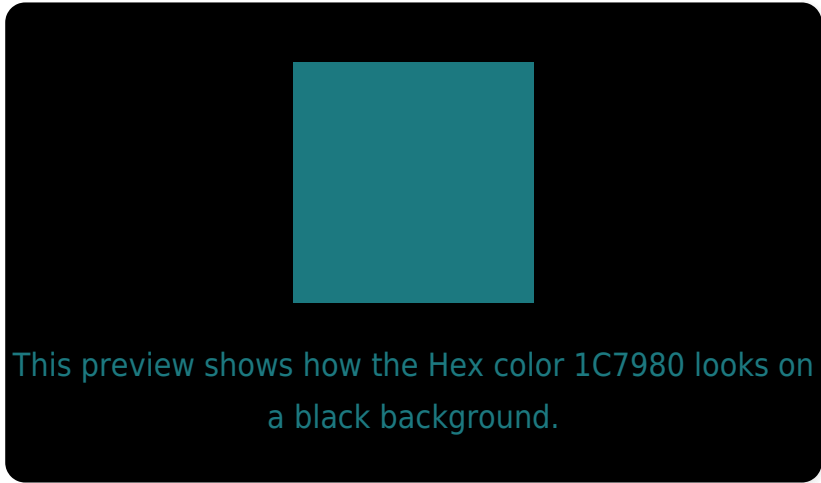
Large Text (above 18pt) WCAG AA ✓ Pass

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

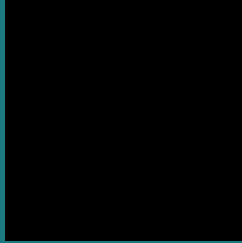
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

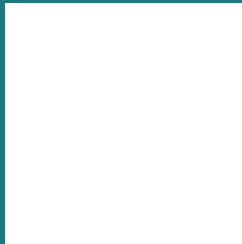
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1C7980 Background



This preview shows how black text looks on a background with the Hex color 1C7980.



This preview shows how white text looks on a background with the Hex color 1C7980.

# 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**  
1C7980

**Protanopia**  
6C6C78

**Deuteranopia**  
6D6B83



**Tritanopia**  
1E7982

# Trichromacy



**Original Color**  
1C7980



**Protanomaly**  
4F717B



**Deuteranomaly**  
507082



**Tritanomaly**  
1D7981

# Monochromacy



**Original Color**  
1C7980



**Achromatopsia**  
5E5E5E



**Achromatomaly**  
46686A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1C7980 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 #1C7980 looks like.

```
.text, #text, p{  
    color:#1C7980  
}
```

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 #1C7980 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1C7980
}
```

## Border

The CSS property to change the border of an element to Hex 1C7980 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
#1C7980 }
```

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

```
.border{ border-color:#1C7980 }
```

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

Here you see how a box with a 4 pixel #1C7980 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1C7980; -webkit-box-shadow:4px 4px  
4px 4px #1C7980; box-shadow:4px 4px 4px  
4px #1C7980 }
```

# Background

The CSS property to change the background color of an element to Hex 1C7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1C7980 }
```

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

```
.background{ background-color:#1C7980 }
```

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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