

# Converting Colors

Hex(1B7073)

Have a look what the booklet for  
Hex(1B7073) contains.

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# Color

**Hex(1B7073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B7073
RGB	27, 112, 115
RGB Percent	11%, 44%, 45%
CMY	0.8941, 0.5608, 0.5490
CMYK	0.77, 0.03, 0.00, 0.55
HSL	182°, 62%, 28%
HSV	182°, 77%, 45%
XYZ	9.3407, 13.0592, 18.2480
YIQ	86.9270, -51.6230, -17.0870

# Conversions

## Conversions Part 2

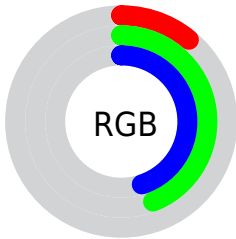
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 70, 115
Decimal	1798259
CIELab	42.85, -22.94, -8.80
CIElCh	43, 24.566, 200.986
Yxy	13.0592, 0.2298, 0.3213
Android (android.graphics.Color)	4279988339 (0xFF1B7073)
YUV	86.9270, 13.8400, -52.5560
Hunter-Lab	36.1375, -17.1025, -4.6429

# Details

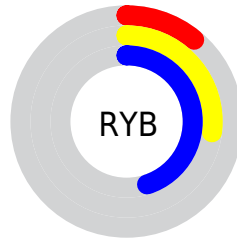
The Hex color **1B7073** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **731E1B**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **57A4A7**, and **004043** is the 20% darker color. If you saturate the color by 10%, you get **107073**, and if you desaturate by 10%, it is **277073**.

# Distribution



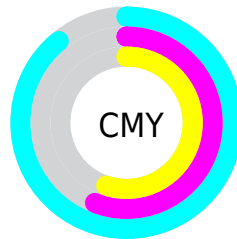
- Red (11%)
- Green (44%)
- Blue (45%)



- Red (11%)
- Yellow (27%)
- Blue (45%)



- Cyan (77%)
- Magenta (3%)
- Yellow (0%)
- Black (55%)



- Cyan (89%)
- Magenta (56%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B7073 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 1B7073 by changing the saturation by 10% instead.



 1B7073

 1B7073

FFFFFF

 00575A

 57A4A7

 004043

 73BFC2

 00292D

 8EDBDE

 001319

 ABF8FA

 000000

 C7FFFF

 E4FFFF

 1B7073

 1B7073

 107073

 277073

046F73

327173

006F73

3E7173

497273

557273

607273

6C7373

777373

837473

# Harmonies

## Analogous

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



33705E



1B7073



1F6E84

# Triad

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



1B7073



795B7F



78623D

# Complementary

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



1B7073



731E1B

# 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.



875B46



1B7073



89566C

# Square

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



1B7073



5F628B



8D5658



64683F

# Rectangle

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



1B7073



336B8B



8D5658



7E5F3F



# Sweetspot

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



1B7073



749596



1B731E



374C4D



CCCCCC



4D4D4D



# Same Dimension

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



1B7073



0C9296



1B4473



353A3B



00767A



00F1FA



# Inverse Universe

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



731B70



960C92



734A1B



3B353A



7A0076

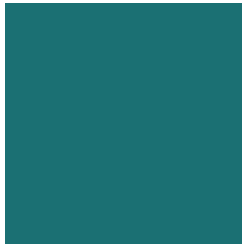


FA00F1



# Previews

## White Background



This preview shows how the Hex color 1B7073 looks on a white background.

## Color Contrast Check

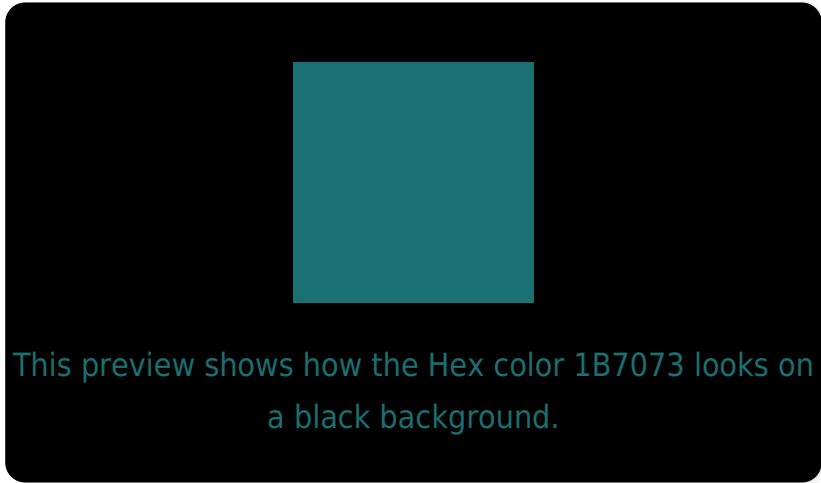
Large Text (above 18pt) WCAG AA ✓ Pass

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

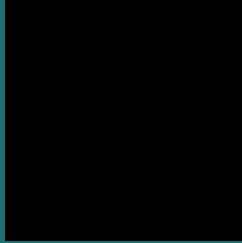
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B7073 Background



This preview shows how black text looks on a background with the Hex color 1B7073.

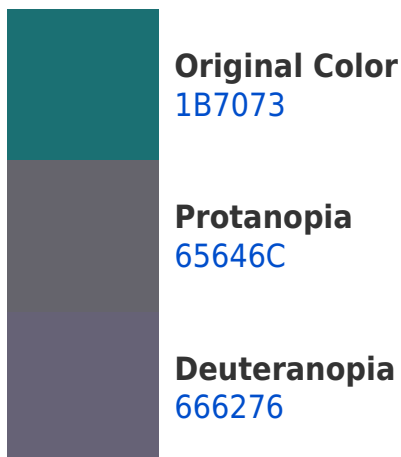


This preview shows how white text looks on a background with the Hex color 1B7073.

# 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](#).

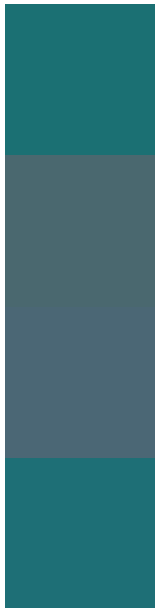
## Dichromacy





**Tritanopia**  
1F6F78

# Trichromacy



**Original Color**  
1B7073

**Protanomaly**  
4A686F

**Deuteranomaly**  
4B6775

**Tritanomaly**  
1E6F76

# Monochromacy



**Original Color**  
1B7073

**Achromatopsia**  
575757

**Achromatomaly**  
416061

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B7073 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 #1B7073 looks like.

```
.text, #text, p{  
    color:#1B7073  
}
```

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 #1B7073 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B7073
}
```

## Border

The CSS property to change the border of an element to Hex 1B7073 is called "border". The border property can be set on classes, ids or directly on the HTML element.

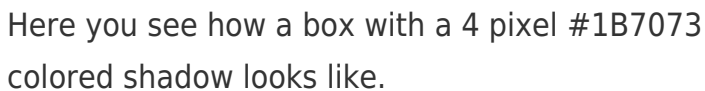
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B7073 }
```

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

```
.border{ border-color:#1B7073 }
```

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



Here you see how a box with a 4 pixel #1B7073 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B7073; -webkit-box-shadow:4px 4px  
4px 4px #1B7073; box-shadow:4px 4px 4px  
4px #1B7073 }
```

# Background

The CSS property to change the background color of an element to Hex 1B7073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B7073 }
```

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

```
.background{ background-color:#1B7073 }
```

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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