

# Converting Colors

Hex(1E7F68)

Have a look what the booklet for  
Hex(1E7F68) contains.

<b>Hex(1E7F68)</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(1E7F68)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E7F68
RGB	30, 127, 104
RGB Percent	12%, 50%, 41%
CMY	0.8824, 0.5020, 0.5922
CMYK	0.76, 0.00, 0.18, 0.50
HSL	166°, 62%, 31%
HSV	166°, 76%, 50%
XYZ	10.6235, 16.4542, 15.7128
YIQ	95.3750, -50.4290, -27.7170

# Conversions

## Conversions Part 2

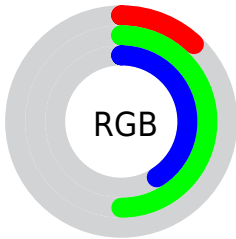
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 85, 127
Decimal	1998696
CIE <sub>Lab</sub>	47.56, -33.14, 4.69
CIE <sub>LCh</sub>	48, 33.467, 171.944
Yxy	16.4542, 0.2483, 0.3845
Android (android.graphics.Color)	4280188776 (0xFF1E7F68)
YUV	95.3750, 4.2521, -57.3339
Hunter-Lab	40.5638, -24.2384, 5.4281

# Details

The Hex color **1E7F68** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7F1E35**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **5BB49B**, and **004D39** is the 20% darker color. If you saturate the color by 10%, you get **117F65**, and if you desaturate by 10%, it is **2B7F6B**.

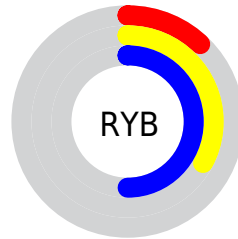
# Distribution



Red (12%)

Green (50%)

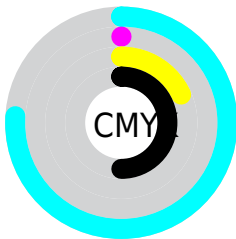
Blue (41%)



Red (12%)

Yellow (33%)

Blue (50%)

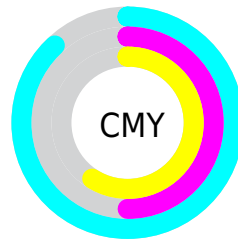


Cyan (76%)

Magenta (0%)

Yellow (18%)

Black (50%)



Cyan (88%)

Magenta (50%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E7F68 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 1E7F68 by changing the saturation by 10% instead.





1E7F68



1E7F68

FFFFFF



006650



5BB49B



004D39



76D0B6



003524



92EDD1



00220E



AEEFEE



000000



CBFFFF



E8FFFF



1E7F68



1E7F68



117F65



2B7F6B

■ 057F62

■ 377F6E

■ 007F61

■ 447F71

■ 517F74

■ 5E7F77

■ 6A7F7A

■ 777F7D

■ 847F80

■ 907F83

# Harmonies

## Analogous

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



4D7C4D



1E7F68



007F85

# Triad

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



1E7F68



686CA5



9D6345

# Complementary

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



1E7F68



7F1E35

# 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.



A75B5D



1E7F68



8D6294

# Square

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



1E7F68



3176A8



A25B7A



896D38

# Rectangle

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



1E7F68



007E96



A25B7A



A2604C



# Sweetspot

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



1E7F68



80A69D



367F1E



3D544F



D4D4D4



545454



# Same Dimension

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



1E7F68



0DA682



1E677F



39403E



008061



000000



# Inverse Universe

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



7F1E35



A60D31



7F361E



40393B



80001E



000000



# Previews

## White Background



This preview shows how the Hex color 1E7F68 looks on a white background.

## Color Contrast Check

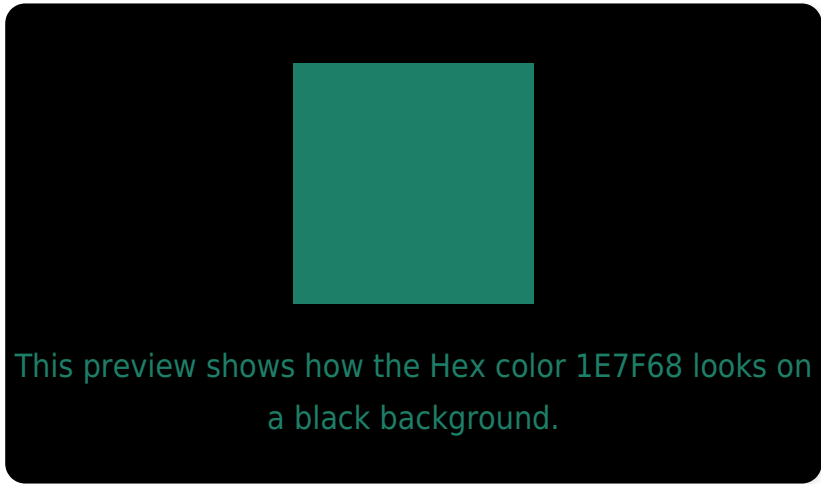
Large Text (above 18pt) WCAG AA ✓ Pass

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 1E7F68 Background



This preview shows how black text looks on a background with the Hex color 1E7F68.

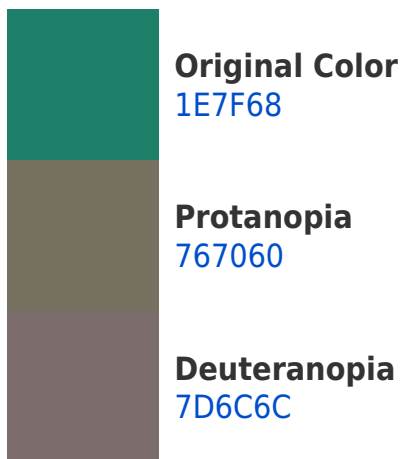


This preview shows how white text looks on a background with the Hex color 1E7F68.

# 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**  
2E7B85

# Trichromacy



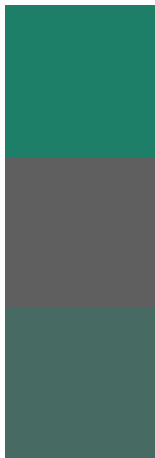
**Original Color**  
1E7F68

**Protanomaly**  
567563

**Deuteranomaly**  
5A736B

**Tritanomaly**  
287C7A

# Monochromacy



**Original Color**  
1E7F68

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
476B62

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E7F68 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 #1E7F68 looks like.

```
.text, #text, p{  
    color:#1E7F68  
}
```

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 #1E7F68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E7F68
}
```

## Border

The CSS property to change the border of an element to Hex 1E7F68 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".

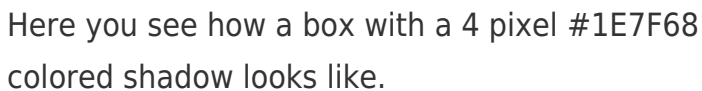
```
.border, #border, table{ border:4px solid
#1E7F68 }
```

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

```
.border{ border-color:#1E7F68 }
```

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

Here you see how a box with a 4 pixel #1E7F68 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E7F68; -webkit-box-shadow:4px 4px  
4px 4px #1E7F68; box-shadow:4px 4px 4px  
4px #1E7F68 }
```

# Background

The CSS property to change the background color of an element to Hex 1E7F68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E7F68 }
```

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

```
.background{ background-color:#1E7F68 }
```

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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