

# Converting Colors

Hex(178D74)

Have a look what the booklet for  
Hex(178D74) contains.

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# Color

**Hex(178D74)**

# Conversions

## Conversions Part 1

Format	Color
Hex	178D74
RGB	23, 141, 116
RGB Percent	9%, 55%, 45%
CMY	0.9098, 0.4471, 0.5451
CMYK	0.84, 0.00, 0.18, 0.45
HSL	167°, 72%, 32%
HSV	167°, 84%, 55%
XYZ	13.0306, 20.4929, 19.7917
YIQ	102.8680, -62.3030, -32.7910

# Conversions

## Conversions Part 2

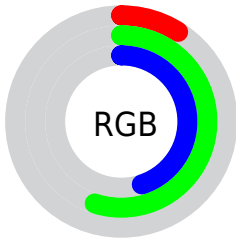
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 89, 141
Decimal	1543540
CIE <sub>Lab</sub>	52.39, -36.97, 4.62
CIE <sub>LCh</sub>	52, 37.254, 172.876
Yxy	20.4929, 0.2444, 0.3844
Android (android.graphics.Color)	4279733620 (0xFF178D74)
YUV	102.8680, 6.4741, -70.0442
Hunter-Lab	45.2690, -27.8399, 5.7666

# Details

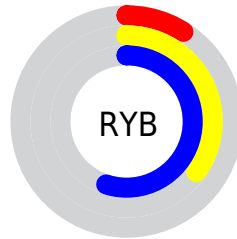
The Hex color **178D74** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8D1730**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **5BC3A8**, and **005A44** is the 20% darker color. If you saturate the color by 10%, you get **098D71**, and if you desaturate by 10%, it is **258D77**.

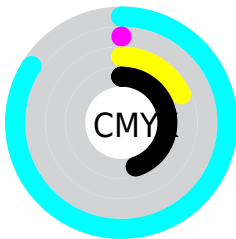
# Distribution



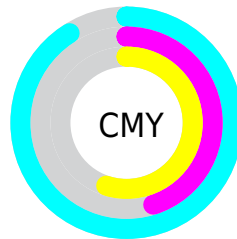
- Red (9%)
- Green (55%)
- Blue (45%)



- Red (9%)
- Yellow (35%)
- Blue (55%)



- Cyan (84%)
- Magenta (0%)
- Yellow (18%)
- Black (45%)



- Cyan (91%)
- Magenta (45%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 178D74 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 178D74 by changing the saturation by 10% instead.



 178D74

 178D74

FFFFFF

 00735B

 5BC3A8

 005A44

 78E0C3

 00422E

 94FCDF

 002B19

 B1FFFC

 000F00

 CEFFFF

 000000

 ECFFFF

 178D74

 178D74

 098D71

 258D77

■ 008D6F

■ 338D7A

■ 418D7D

■ 4F8D80

■ 5E8D83

■ 6C8D86

■ 7A8D89

■ 888D8C

■ 968D8F

# Harmonies

## Analogous

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



528955



178D74



008D95

# Triad

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



178D74



7478B8



AE6D4B

# Complementary

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



178D74



8D1730

# 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.



BA6466



178D74



9D6BA4

# Square

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



178D74



3483BC



B56386



97793C

# Rectangle

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



178D74



008BA8



B56386



B46A53



# Sweetspot

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



178D74



8AB8AE



318D17



405C56



DBDBDB



5C5C5C



# Same Dimension

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



178D74



00B891



176C8D



404746



00876B



000806



# Inverse Universe

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



8D1730



B80027



8D3817



474042



87001D



080002



# Previews

## White Background



This preview shows how the Hex color 178D74 looks on a white background.

## Color Contrast Check

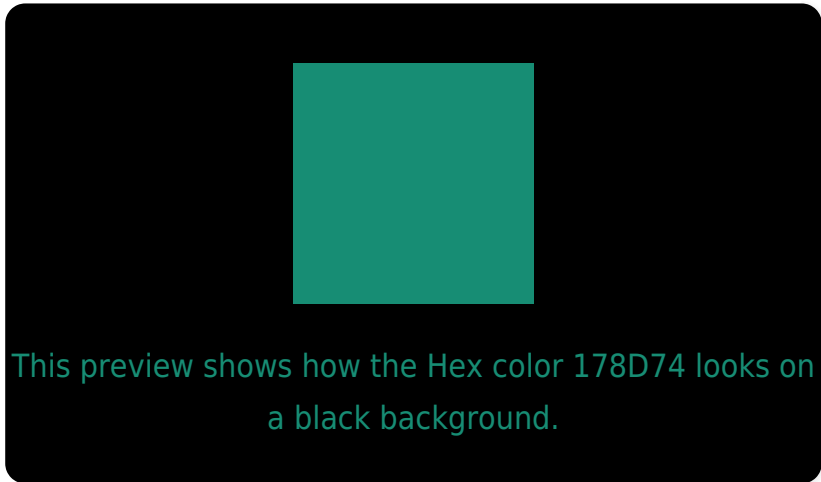
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

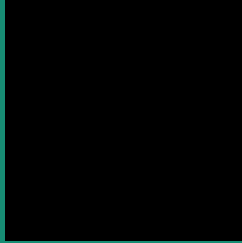
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 178D74 Background



This preview shows how black text looks on a background with the Hex color 178D74.

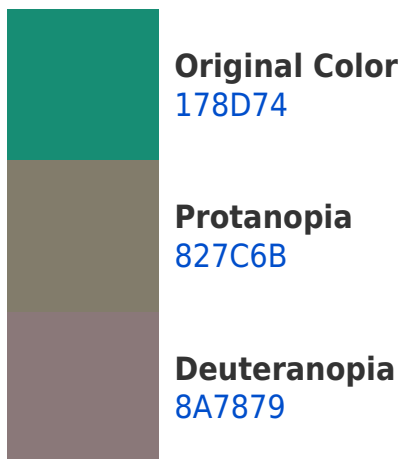


This preview shows how white text looks on a background with the Hex color 178D74.

# 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**  
2E8994

# Trichromacy



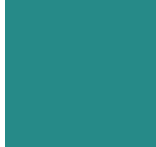
**Original Color**  
178D74



**Protanomaly**  
5B826E



**Deuteranomaly**  
608077



**Tritanomaly**  
268A88

# Monochromacy



**Original Color**  
178D74



**Achromatopsia**  
676767



**Achromatomaly**  
4A756C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 178D74 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 #178D74 looks like.

```
.text, #text, p{  
    color:#178D74  
}
```

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 #178D74 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #178D74
}
```

## Border

The CSS property to change the border of an element to Hex 178D74 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
#178D74 }
```

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

```
.border{ border-color:#178D74 }
```

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

Here you see how a box with a 4 pixel #178D74 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #178D74; -webkit-box-shadow:4px 4px  
4px 4px #178D74; box-shadow:4px 4px 4px  
4px #178D74 }
```

# Background

The CSS property to change the background color of an element to Hex 178D74 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#178D74 }
```

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

```
.background{ background-color:#178D74 }
```

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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