

# Converting Colors

Hex(177E87)

Have a look what the booklet for  
Hex(177E87) contains.

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# Color

**Hex(177E87)**

# Conversions

## Conversions Part 1

Format	Color
Hex	177E87
RGB	23, 126, 135
RGB Percent	9%, 49%, 53%
CMY	0.9098, 0.5059, 0.4706
CMYK	0.83, 0.07, 0.00, 0.47
HSL	185°, 71%, 31%
HSV	185°, 83%, 53%
XYZ	12.1874, 16.8531, 25.5323
YIQ	96.2290, -64.2770, -19.0370

# Conversions

## Conversions Part 2

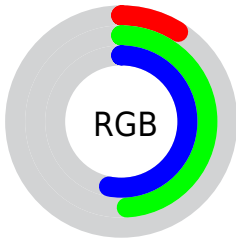
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 77, 135
Decimal	1539719
CIELab	48.07, -24.05, -12.86
CIELCh	48, 27.273, 208.129
Yxy	16.8531, 0.2233, 0.3088
Android (android.graphics.Color)	4279729799 (0xFF177E87)
YUV	96.2290, 19.1141, -64.2218
Hunter-Lab	41.0526, -18.8503, -8.1381

# Details

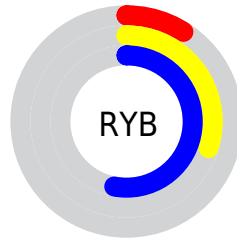
The Hex color **177E87** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **872017**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **5AB3BC**, and **004C55** is the 20% darker color. If you saturate the color by 10%, you get **0A7D87**, and if you desaturate by 10%, it is **257F87**.

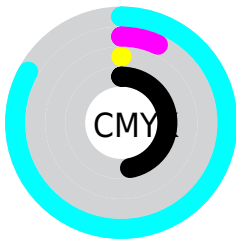
# Distribution



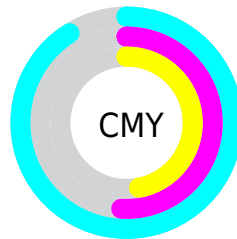
- Red (9%)
- Green (49%)
- Blue (53%)



- Red (9%)
- Yellow (30%)
- Blue (53%)



- Cyan (83%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)



- Cyan (91%)
- Magenta (51%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 177E87 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 177E87 by changing the saturation by 10% instead.



177E87

177E87

FFFFFF

00656E

5AB3BC

004C55

77CFD8

00353E

93EBF4

002128

B0FFFF

000114

CDFFFF

000000

EBFFFF

177E87

177E87

0A7D87

257F87

■ 007C87

■ 328087

■ 3F8187

■ 4D8287

■ 5B8387

■ 688587

■ 768687

■ 838787

■ 918887

# Harmonies

## Analogous

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



327E70



177E87



287B99

# Triad

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



177E87



8E658B



837044

# Complementary

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



177E87



872017

# 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.



95684C



177E87



9D6074

# Square

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



177E87



736D9B



9F625E



6B7749

# Rectangle

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



177E87



42779F



9F625E



8A6E45



# Sweetspot

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



177E87



84ACB0



17871E



3E5759



D9D9D9



595959



# Same Dimension

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



177E87



00A2B0



174887



3C4242



007882



000203



# Inverse Universe

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



87177E



B000A2



875617



423C42



820078



030002



# Previews

## White Background



This preview shows how the Hex color 177E87 looks on a white background.

## Color Contrast Check

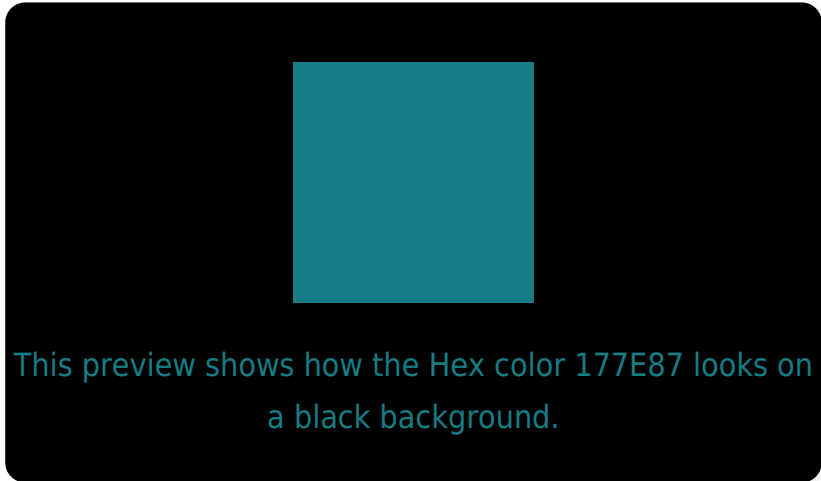
Large Text (above 18pt) WCAG AA ✓ Pass

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

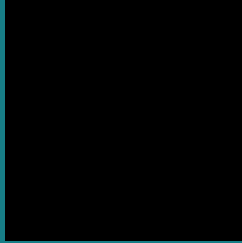
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 177E87 Background



This preview shows how black text looks on a background with the Hex color 177E87.

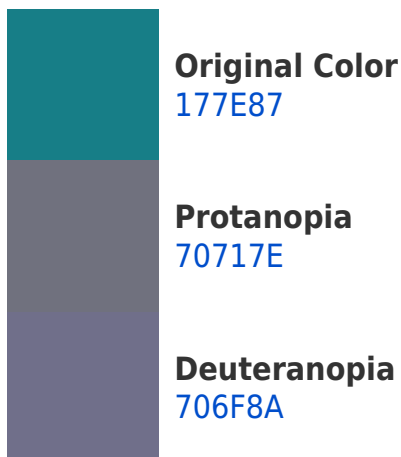


This preview shows how white text looks on a background with the Hex color 177E87.

# 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](#).

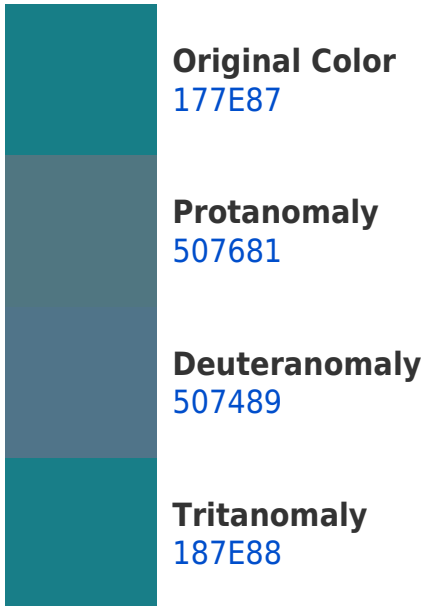
## Dichromacy



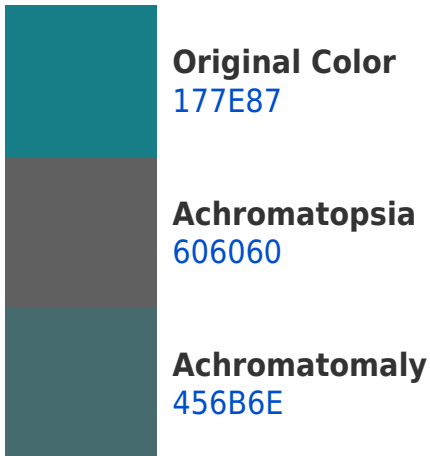


**Tritanopia**  
187E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 177E87 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 #177E87 looks like.

```
.text, #text, p{  
    color:#177E87  
}
```

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 #177E87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #177E87  
}
```

## Border

The CSS property to change the border of an element to Hex 177E87 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  
#177E87 }
```

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

```
.border{ border-color:#177E87 }
```

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

Here you see how a box with a 4 pixel #177E87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #177E87; -webkit-box-shadow:4px 4px  
4px 4px #177E87; box-shadow:4px 4px 4px  
4px #177E87 }
```

# Background

The CSS property to change the background color of an element to Hex 177E87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#177E87 }
```

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

```
.background{ background-color:#177E87 }
```

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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