

# Converting Colors

Hex(4D7A81)

Have a look what the booklet for  
Hex(4D7A81) contains.

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# Color

**Hex(4D7A81)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 4D7A81                      |
| RGB         | 77, 122, 129                |
| RGB Percent | 30%, 48%, 51%               |
| CMY         | 0.6980, 0.5216, 0.4941      |
| CMYK        | 0.40, 0.05, 0.00, 0.49      |
| HSL         | 188°, 25%, 40%              |
| HSV         | 188°, 40%, 51%              |
| XYZ         | 13.9825, 17.0818, 23.3290   |
| YIQ         | 109.3430, -29.0670, -7.3630 |

# Conversions

## Conversions Part 2

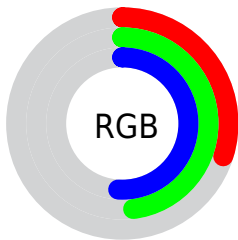
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 77, 101, 129                  |
| Decimal                             | 5077633                       |
| CIE <sub>Lab</sub>                  | 48.36, -13.48, -8.71          |
| CIE <sub>LCh</sub>                  | 48, 16.045, 212.860           |
| Yxy                                 | 17.0818, 0.2571,<br>0.3140    |
| Android<br>(android.graphics.Color) | 4283267713<br>(0xFF4D7A81)    |
| YUV                                 | 109.3430, 9.6909,<br>-28.3648 |
| Hunter-Lab                          | 41.3302, -11.9389,<br>-4.5355 |

# Details

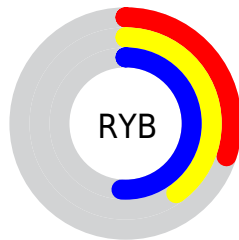
The Hex color **4D7A81** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **81544D**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **81AEB6**, and **1A4950** is the 20% darker color. If you saturate the color by 10%, you get **407881**, and if you desaturate by 10%, it is **5A7C81**.

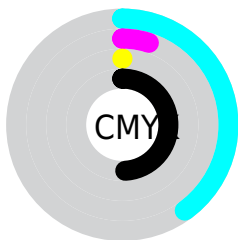
# Distribution



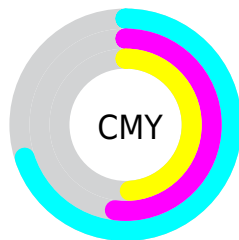
- Red (30%)
- Green (48%)
- Blue (51%)



- Red (30%)
- Yellow (40%)
- Blue (51%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)



- Cyan (70%)
- Magenta (52%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D7A81 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 4D7A81 by changing the saturation by 10% instead.



4D7A81

4D7A81

FFFFFF

346168

81AEB6

1A4950

9BCAD1

003339

B7E6EE

001E23

D3FFFF

00010E

F0FFFF

000000

4D7A81

4D7A81

407881

5A7C81

337781

677D81

■ 267581

■ 747F81

■ 197381

■ 818181

■ 0C7181

■ 8D8381

■ 007081

■ 9A8481

■ A78681

■ B48881

■ C18A81

# Harmonies

## Analogous

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



517B74



4D7A81



54788A

# Triad

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



4D7A81



866B7F



7C7258

# Complementary

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



4D7A81



81544D

# 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.



886E5B



4D7A81



8E6972

# Square

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



4D7A81



776F8A



8E6A65



6D765C

# Rectangle

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



4D7A81



5F758D



8E6A65



807158



# Sweetspot

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



4D7A81



94A6A8



4D8154



485354



D4D4D4



545454



# Same Dimension

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



4D7A81



589DA8



4D6081



393F40



006E80



000000



# Inverse Universe

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



814D7A



A8589D



816E4D



40393F



80006E



000000



# Previews

## White Background



This preview shows how the Hex color 4D7A81 looks on a white background.

## Color Contrast Check

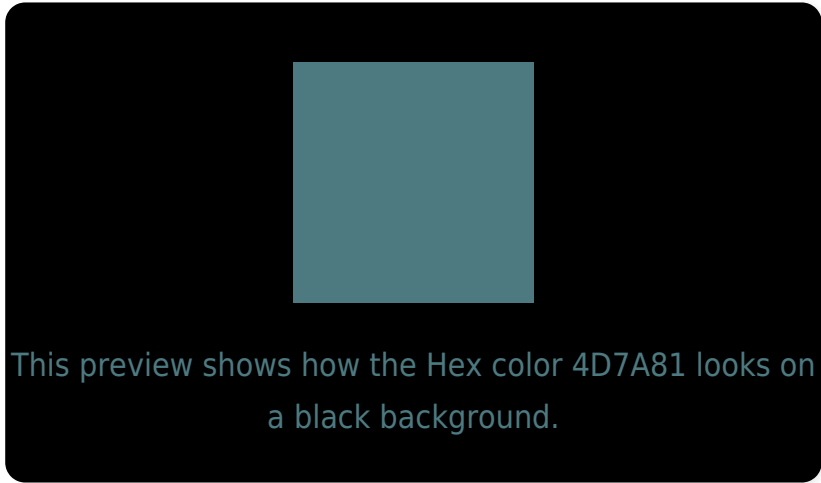
Large Text (above 18pt) WCAG AA ✓ Pass

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

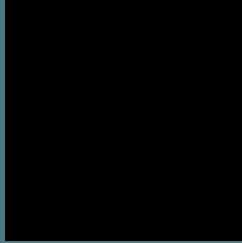
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D7A81 Background



This preview shows how black text looks on a background with the Hex color 4D7A81.

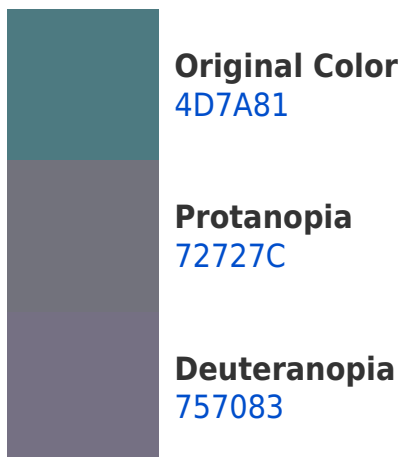



This preview shows how white text looks on a background with the Hex color 4D7A81.

# 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**  
4E7A83

# Trichromacy



**Original Color**  
4D7A81

**Protanomaly**  
65757E

**Deuteranomaly**  
667482

**Tritanomaly**  
4E7A82

# Monochromacy



**Original Color**  
4D7A81

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
617274

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D7A81 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 #4D7A81 looks like.

```
.text, #text, p{  
    color:#4D7A81  
}
```

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 #4D7A81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D7A81
}
```

## Border

The CSS property to change the border of an element to Hex 4D7A81 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
#4D7A81 }
```

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

```
.border{ border-color:#4D7A81 }
```

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

Here you see how a box with a 4 pixel #4D7A81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D7A81; -webkit-box-shadow:4px 4px  
4px 4px #4D7A81; box-shadow:4px 4px 4px  
4px #4D7A81 }
```

# Background

The CSS property to change the background color of an element to Hex 4D7A81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D7A81 }
```

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

```
.background{ background-color:#4D7A81 }
```

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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