

# Converting Colors

Hex(23717B)

Have a look what the booklet for  
Hex(23717B) contains.

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# Color

Hex(23717B)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	23717B
RGB	35, 113, 123
RGB Percent	14%, 44%, 48%
CMY	0.8627, 0.5569, 0.5176
CMYK	0.72, 0.08, 0.00, 0.52
HSL	187°, 56%, 31%
HSV	187°, 72%, 48%
XYZ	10.1734, 13.5976, 20.8273
YIQ	90.8180, -49.6980, -13.4260

# Conversions

## Conversions Part 2

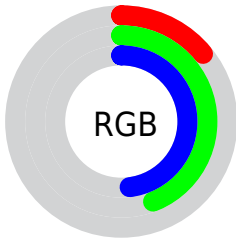
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 76, 123
Decimal	2322811
CIELab	43.65, -19.71, -12.39
CIELCh	44, 23.284, 212.150
Yxy	13.5976, 0.2281, 0.3049
Android (android.graphics.Color)	4280512891 (0xFF23717B)
YUV	90.8180, 15.8657, -48.9524
Hunter-Lab	36.8750, -15.2850, -7.6750

# Details

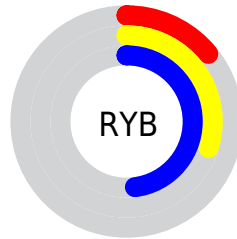
The Hex color **23717B** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7B2D23**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5DA5AF**, and **00414A** is the 20% darker color. If you saturate the color by 10%, you get **17707B**, and if you desaturate by 10%, it is **2F727B**.

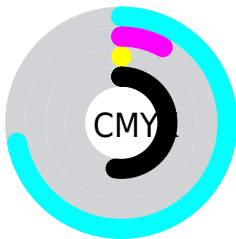
# Distribution



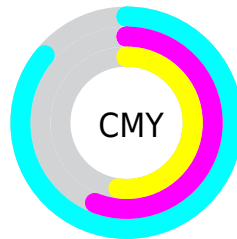
- Red (14%)
- Green (44%)
- Blue (48%)



- Red (14%)
- Yellow (30%)
- Blue (48%)



- Cyan (72%)
- Magenta (8%)
- Yellow (0%)
- Black (52%)



- Cyan (86%)
- Magenta (56%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23717B 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 23717B by changing the saturation by 10% instead.



■ 23717B

■ 23717B

FFFFFF

■ 005862

■ 5DA5AF

■ 00414A

■ 79C0CB

■ 002A34

■ 94DCE7

■ 00161F

■ B0F9FF

■ 000004

■ CDFFFF

■ 000000

■ EAFFFF

■ 23717B

■ 23717B

■ 17707B

■ 2F727B

0A6E7B

3C747B

006D7B

48757B

54777B

61787B

6D797B

797B7B

857C7B

927E7B

# Harmonies

## Analogous

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



317268



23717B



316E89

# Triad

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



23717B



815B7A



736640

# Complementary

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



23717B



7B2D23

# 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.



836046



23717B



8C5866

# Square

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



23717B



6B6288



8C5A54



5E6C46

# Rectangle

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



23717B



456B8D



8C5A54



796441



# Sweetspot

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



23717B



7F9DA1



237B2C



3D4F52



D1D1D1



525252



# Same Dimension

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



23717B



1691A1



23467B



373D3D



006F7D



00E0FC



# Inverse Universe

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



7B2371



A11691



7B5823



3D373D



7D006F

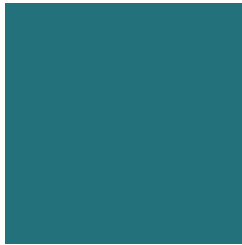


FC00E0



# Previews

## White Background



This preview shows how the Hex color 23717B looks on a white background.

### Color Contrast Check

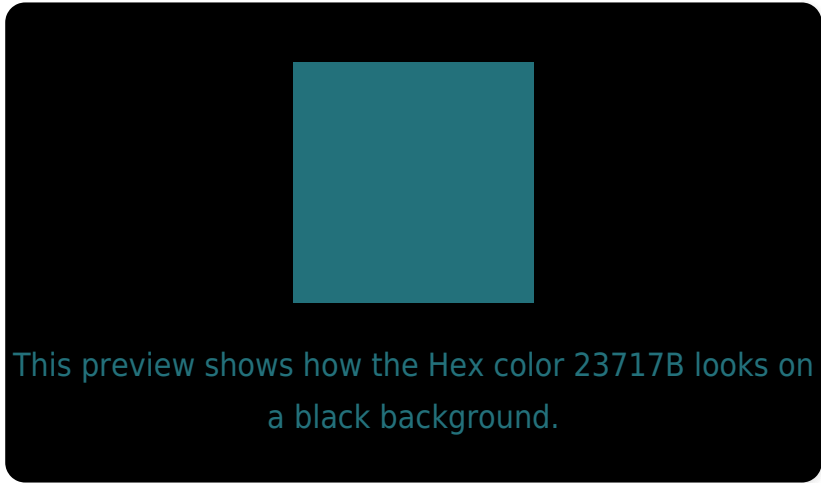
Large Text (above 18pt) WCAG AA ✓ Pass

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

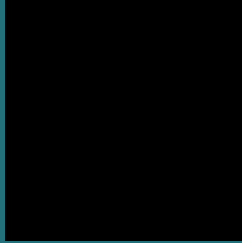
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23717B Background



This preview shows how black text looks on a background with the Hex color 23717B.

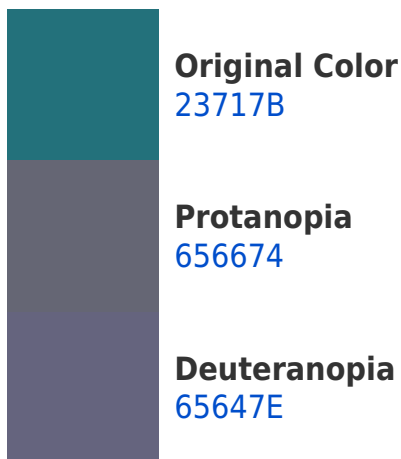


This preview shows how white text looks on a background with the Hex color 23717B.

# 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**  
23717A

# Trichromacy



**Original Color**  
23717B

**Protanomaly**  
4D6A77

**Deuteranomaly**  
4D697D

**Tritanomaly**  
23717A

# Monochromacy



**Original Color**  
23717B

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
476367

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23717B 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 #23717B looks like.

```
.text, #text, p{  
    color:#23717B  
}
```

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 #23717B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23717B
}
```

## Border

The CSS property to change the border of an element to Hex 23717B 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
#23717B }
```

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

```
.border{ border-color:#23717B }
```

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

Here you see how a box with a 4 pixel #23717B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23717B; -webkit-box-shadow:4px 4px  
4px 4px #23717B; box-shadow:4px 4px 4px  
4px #23717B }
```

# Background

The CSS property to change the background color of an element to Hex 23717B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23717B }
```

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

```
.background{ background-color:#23717B }
```

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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