

# Converting Colors

Hex(218C7D)

Have a look what the booklet for  
Hex(218C7D) contains.

<b>Hex(218C7D)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(218C7D)

# Conversions

## Conversions Part 1

Format	Color
Hex	218C7D
RGB	33, 140, 125
RGB Percent	13%, 55%, 49%
CMY	0.8706, 0.4510, 0.5098
CMYK	0.76, 0.00, 0.11, 0.45
HSL	172°, 62%, 34%
HSV	172°, 76%, 55%
XYZ	13.7070, 20.5602, 22.6481
YIQ	106.2970, -58.9570, -27.3490

# Conversions

## Conversions Part 2

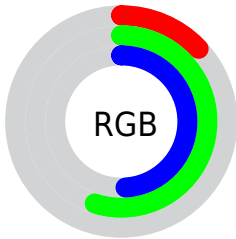
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 91, 140
Decimal	2198653
CIE <sub>Lab</sub>	52.46, -32.90, -0.46
CIE <sub>LCh</sub>	52, 32.907, 180.797
Yxy	20.5602, 0.2408, 0.3612
Android (android.graphics.Color)	4280388733 (0xFF218C7D)
YUV	106.2970, 9.2206, -64.2815
Hunter-Lab	45.3433, -25.3916, 2.1261

# Details

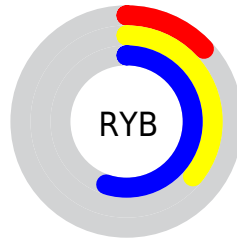
The Hex color **218C7D** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8C2130**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **60C2B2**, and **00594C** is the 20% darker color. If you saturate the color by 10%, you get **138C7B**, and if you desaturate by 10%, it is **2F8C7F**.

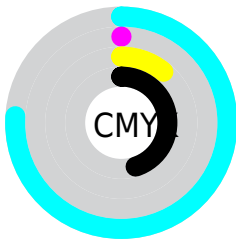
# Distribution



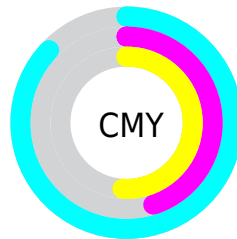
- Red (13%)
- Green (55%)
- Blue (49%)



- Red (13%)
- Yellow (36%)
- Blue (55%)



- Cyan (76%)
- Magenta (0%)
- Yellow (11%)
- Black (45%)



- Cyan (87%)
- Magenta (45%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 218C7D 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 218C7D by changing the saturation by 10% instead.



 218C7D

 218C7D

FFFFFF

 007264

 60C2B2

 00594C

 7DDECD

 004136

 99FBE9

 002A20

 B6FFFF

 00100A

 D3FFFF

 000000

 F1FFFF

 218C7D

 218C7D

 138C7B

 2F8C7F

■ 058C79

■ 3D8C81

■ 008C78

■ 4B8C83

■ 598C85

■ 678C87

■ 758C89

■ 838C8B

■ 918C8D

■ 9F8C8F

# Harmonies

## Analogous

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



4F8A61



218C7D



008B99

# Triad

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



218C7D



8176AE



A5724D

# Complementary

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



218C7D



8C2130

# 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.



B26962



218C7D



A16C99

# Square

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



218C7D



5380B5



B2677E



8E7C44

# Rectangle

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



218C7D



0089A8



B2677E



AB6F52



# Sweetspot

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



218C7D



8BB5AF



318C21



425C58



DBDBDB



5C5C5C



# Same Dimension

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



218C7D



0EB59E



21678C



3E4544



008572



000504



# Inverse Universe

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



8C2130



B50E26



8C4621



453E3F



850013

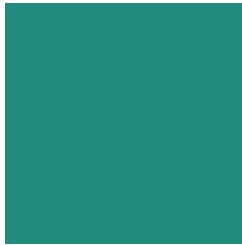


050001



# Previews

## White Background



This preview shows how the Hex color 218C7D looks on a white background.

## Color Contrast Check

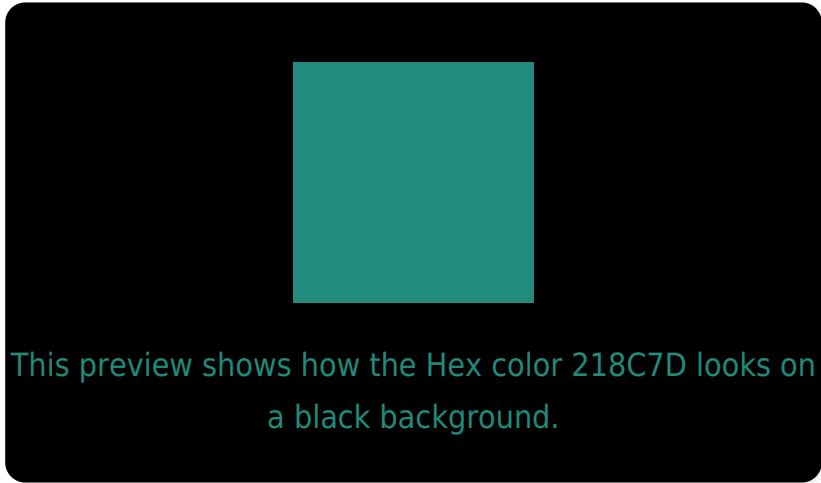
Large Text (above 18pt) WCAG AA ✓ Pass

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

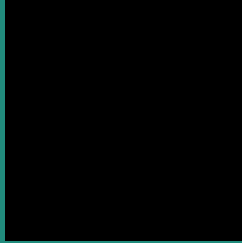
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 218C7D Background



This preview shows how black text looks on a background with the Hex color 218C7D.

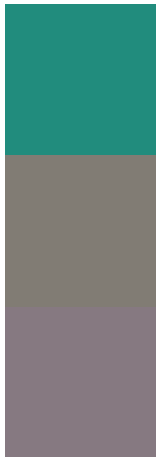


This preview shows how white text looks on a background with the Hex color 218C7D.

# 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



**Original Color**  
218C7D

**Protanopia**  
817C74

**Deuteranopia**  
867981



**Tritanopia**  
2F8994

# Trichromacy



**Original Color**  
218C7D



**Protanomaly**  
5E8277



**Deuteranomaly**  
618080



**Tritanomaly**  
2A8A8C

# Monochromacy



**Original Color**  
218C7D



**Achromatopsia**  
6A6A6A



**Achromatomaly**  
4F7671

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 218C7D 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 #218C7D looks like.

```
.text, #text, p{  
    color:#218C7D  
}
```

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 #218C7D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #218C7D
}
```

## Border

The CSS property to change the border of an element to Hex 218C7D 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
#218C7D }
```

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

```
.border{ border-color:#218C7D }
```

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

Here you see how a box with a 4 pixel #218C7D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #218C7D; -webkit-box-shadow:4px 4px  
4px 4px #218C7D; box-shadow:4px 4px 4px  
4px #218C7D }
```

# Background

The CSS property to change the background color of an element to Hex 218C7D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#218C7D }
```

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

```
.background{ background-color:#218C7D }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor