

# Converting Colors

Hex(2A9A7A)

Have a look what the booklet for  
Hex(2A9A7A) contains.

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# Color

Hex(2A9A7A)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 2A9A7A                       |
| RGB         | 42, 154, 122                 |
| RGB Percent | 16%, 60%, 48%                |
| CMY         | 0.8353, 0.3961, 0.5216       |
| CMYK        | 0.73, 0.00, 0.21, 0.40       |
| HSL         | 163°, 57%, 38%               |
| HSV         | 163°, 73%, 60%               |
| XYZ         | 16.0233, 25.0086, 22.3950    |
| YIQ         | 116.8640, -56.4800, -33.6960 |

# Conversions

## Conversions Part 2

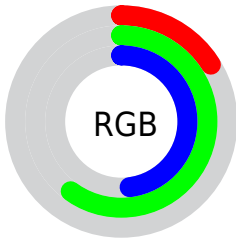
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 42, 107, 154                  |
| Decimal                             | 2792058                       |
| CIE <sub>Lab</sub>                  | 57.08, -38.81, 7.95           |
| CIE <sub>LCh</sub>                  | 57, 39.611, 168.423           |
| Yxy                                 | 25.0086, 0.2526,<br>0.3943    |
| Android<br>(android.graphics.Color) | 4280982138<br>(0xFF2A9A7A)    |
| YUV                                 | 116.8640, 2.5320,<br>-65.6557 |
| Hunter-Lab                          | 50.0086, -30.3217,<br>8.4546  |

# Details

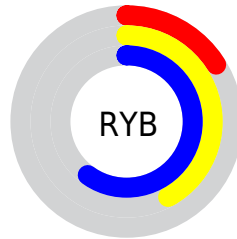
The Hex color **2A9A7A** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9A2A4A**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **68D1AE**, and **006649** is the 20% darker color. If you saturate the color by 10%, you get **1B9A76**, and if you desaturate by 10%, it is **399A7E**.

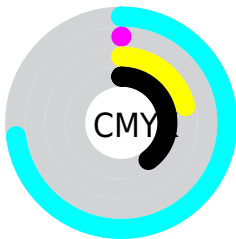
# Distribution



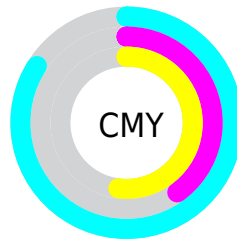
- Red (16%)
- Green (60%)
- Blue (48%)



- Red (16%)
- Yellow (42%)
- Blue (60%)



- Cyan (73%)
- Magenta (0%)
- Yellow (21%)
- Black (40%)



- Cyan (84%)
- Magenta (40%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A9A7A 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 2A9A7A by changing the saturation by 10% instead.



 2A9A7A

 2A9A7A

FFFFFF

 008061

 68D1AE

 006649

 84EECA

 004D33

 A1FFE6

 00351E

 BEFFFF

 002105

 DBFFFF

 000000

 F9FFFF

 2A9A7A

 2A9A7A

 1B9A76

 399A7E

■ 0B9A71

■ 499A83

■ 009A6E

■ 589A87

■ 689A8C

■ 779A90

■ 869A94

■ 969A99

■ A59A9D

■ B59AA2

# Harmonies

## Analogous

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



62965A



2A9A7A



009B9E

# Triad

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



2A9A7A



7785CA



C17657

# Complementary

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



2A9A7A



9A2A4A

# 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.



CB6D75



2A9A7A



A778B7

# Square

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



2A9A7A



2C91CC



C36E98



AA8244

# Rectangle

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



2A9A7A



0099B3



C36E98



C67260



# Sweetspot

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



2A9A7A



9DC9BD



4C9A2A



4B665E



E6E6E6



666666



# Same Dimension

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



2A9A7A



1AC997



2A849A



454D4A



008C64



000D09



# Inverse Universe

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



9A2A4A



C91A4C



9A402A



4D4547



8C0028



0D0004



# Previews

## White Background



This preview shows how the Hex color 2A9A7A looks on a white background.

## Color Contrast Check

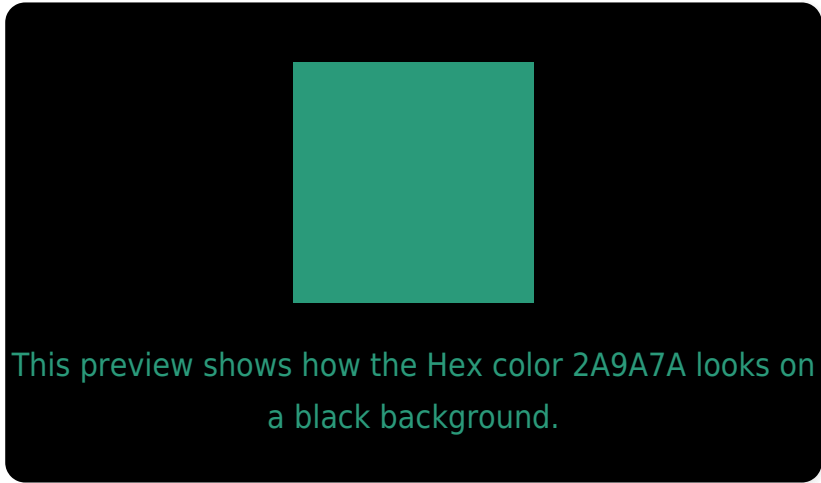
Large Text (above 18pt) WCAG AA ✓ Pass

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

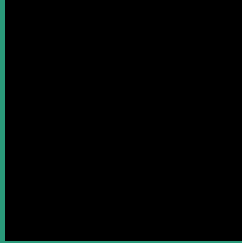
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2A9A7A Background



This preview shows how black text looks on a background with the Hex color 2A9A7A.

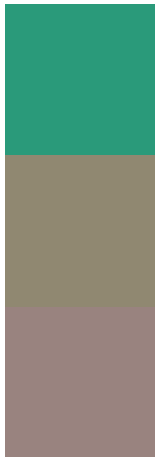


This preview shows how white text looks on a background with the Hex color 2A9A7A.

# 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](#).

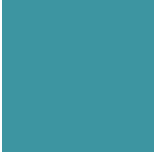
## Dichromacy



**Original Color**  
2A9A7A

**Protanopia**  
908871

**Deuteranopia**  
99837F



**Tritanopia**  
3D95A1

# Trichromacy



**Original Color**

2A9A7A



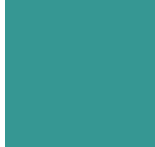
**Protanomaly**

6B8F74



**Deuteranomaly**

718B7D



**Tritanomaly**

369793

# Monochromacy



**Original Color**

2A9A7A



**Achromatopsia**

757575



**Achromatomaly**

5A8277

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A9A7A 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 #2A9A7A looks like.

```
.text, #text, p{  
    color:#2A9A7A  
}
```

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 #2A9A7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A9A7A
}
```

## Border

The CSS property to change the border of an element to Hex 2A9A7A 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
#2A9A7A }
```

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

```
.border{ border-color:#2A9A7A }
```

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

Here you see how a box with a 4 pixel #2A9A7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A9A7A; -webkit-box-shadow:4px 4px  
4px 4px #2A9A7A; box-shadow:4px 4px 4px  
4px #2A9A7A }
```

# Background

The CSS property to change the background color of an element to Hex 2A9A7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A9A7A }
```

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

```
.background{ background-color:#2A9A7A }
```

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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