

# Converting Colors

Hex(2A7E9C)

Have a look what the booklet for  
Hex(2A7E9C) contains.

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# Color

Hex(2A7E9C)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A7E9C
RGB	42, 126, 156
RGB Percent	16%, 49%, 61%
CMY	0.8353, 0.5059, 0.3882
CMYK	0.73, 0.19, 0.00, 0.39
HSL	196°, 58%, 39%
HSV	196°, 73%, 61%
XYZ	14.4164, 17.8142, 34.1312
YIQ	104.3040, -59.6940, -8.4780

# Conversions

## Conversions Part 2

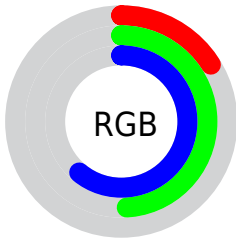
Format	Color
R <sub>Y</sub> B	42, 90, 156
Decimal	2784924
CIE Lab	49.27, -14.69, -23.33
CIE LCh	49, 27.564, 237.807
Yxy	17.8142, 0.2172, 0.2684
Android (android.graphics.Color)	4280975004 (0xFF2A7E9C)
YUV	104.3040, 25.4861, -54.6406
Hunter-Lab	42.2069, -12.8926, -18.4007

# Details

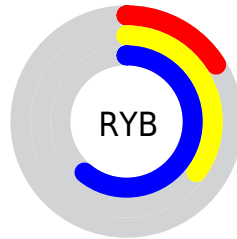
The Hex color **2A7E9C** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **9C482A**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **67B3D3**, and **004D69** is the 20% darker color. If you saturate the color by 10%, you get **1A7A9C**, and if you desaturate by 10%, it is **3A829C**.

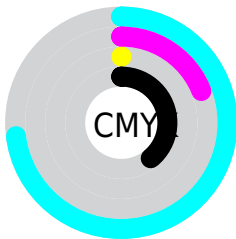
# Distribution



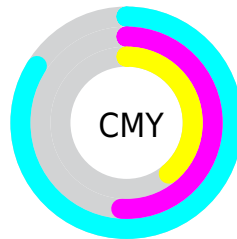
- Red (16%)
- Green (49%)
- Blue (61%)



- Red (16%)
- Yellow (35%)
- Blue (61%)



- Cyan (73%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)



- Cyan (84%)
- Magenta (51%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A7E9C 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 2A7E9C by changing the saturation by 10% instead.



■ 2A7E9C

■ 2A7E9C

FFFFFF

■ 006582

■ 67B3D3

■ 004D69

■ 84CEEF

■ 003650

■ A0EBFF

■ 002139

■ BDFFFF

■ 000224

■ DBFFFF

■ 00000C

■ F8FFFF

■ 000000

■ 2A7E9C

■ 2A7E9C

■ 1A7A9C

■ 3A829C

■ 0B769C

■ 49869C

■ 00739C

■ 598A9C

■ 688E9C

■ 78939C

■ 88979C

■ 979B9C

■ A79F9C

■ B6A39C

# Harmonies

## Analogous

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



1A818A



2A7E9C



5178A3

# Triad

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



2A7E9C



A06378



6E7A4B

# Complementary

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



2A7E9C



9C482A

# 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.



867346



2A7E9C



A26560

# Square

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



2A7E9C



91688E



996B4E



537F5B

# Rectangle

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



2A7E9C



6A73A1



996B4E



777848



# Sweetspot

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



2A7E9C



9FC0CC



2A9C47



4B5F66



E6E6E6



666666



# Same Dimension

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



2A7E9C



189DCC



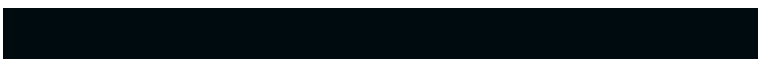
2A479C



474D4F



00698F



000B0F



# Inverse Universe

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



9C2A7E



CC189D



9C802A



4F474D



8F0069



0F000B



# Previews

## White Background



This preview shows how the Hex color 2A7E9C looks on a white background.

## Color Contrast Check

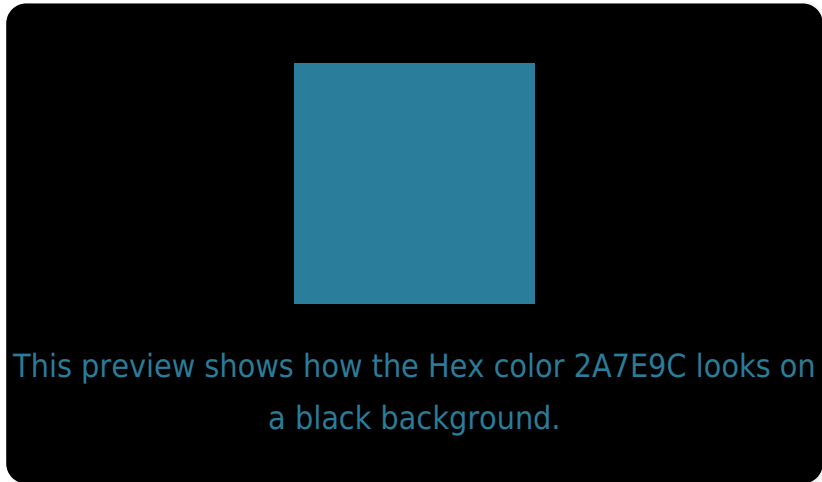
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

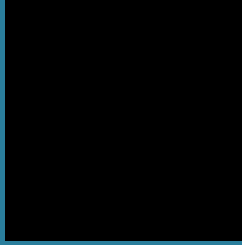
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2A7E9C Background



This preview shows how black text looks on a background with the Hex color 2A7E9C.

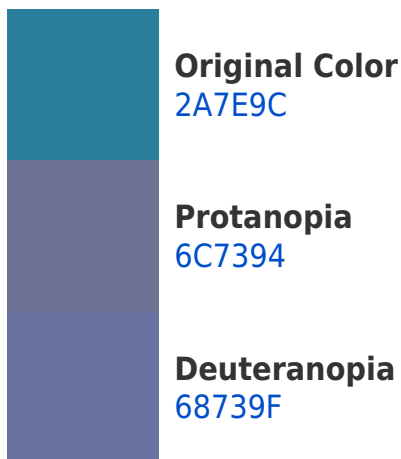


This preview shows how white text looks on a background with the Hex color 2A7E9C.

# 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](#).

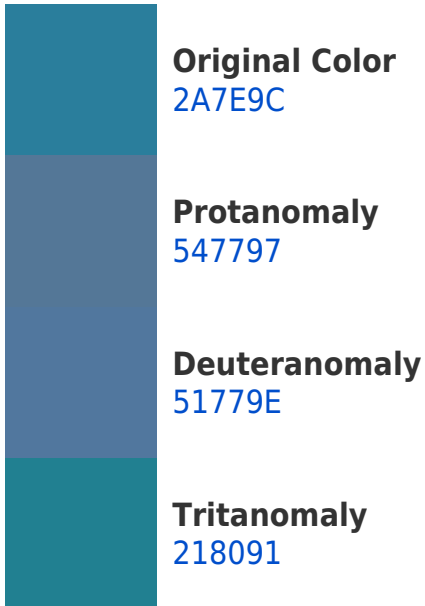
## Dichromacy



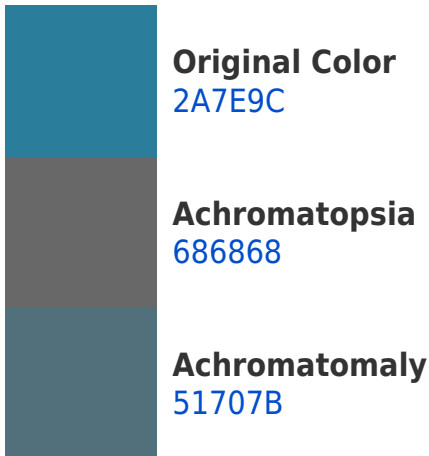


**Tritanopia**  
1C818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A7E9C 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 #2A7E9C looks like.

```
.text, #text, p{  
    color:#2A7E9C  
}
```

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 #2A7E9C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7E9C
}
```

## Border

The CSS property to change the border of an element to Hex 2A7E9C is called "border". The border property can be set on classes, ids or directly on the HTML element.

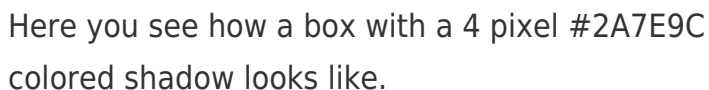
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A7E9C }
```

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

```
.border{ border-color:#2A7E9C }
```

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



Here you see how a box with a 4 pixel #2A7E9C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7E9C; -webkit-box-shadow:4px 4px  
4px 4px #2A7E9C; box-shadow:4px 4px 4px  
4px #2A7E9C }
```

# Background

The CSS property to change the background color of an element to Hex 2A7E9C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7E9C }
```

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

```
.background{ background-color:#2A7E9C }
```

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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