

# Converting Colors

Hex(2A9CAE)

Have a look what the booklet for  
Hex(2A9CAE) contains.

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# Color

**Hex(2A9CAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A9CAE
RGB	42, 156, 174
RGB Percent	16%, 61%, 68%
CMY	0.8353, 0.3882, 0.3176
CMYK	0.76, 0.10, 0.00, 0.32
HSL	188°, 61%, 42%
HSV	188°, 76%, 68%
XYZ	20.4833, 27.3252, 44.2391
YIQ	123.9660, -73.7220, -18.5700

# Conversions

## Conversions Part 2

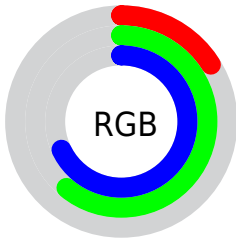
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	42, 103, 174
Decimal	2792622
CIE Lab	59.27, -24.69, -18.35
CIE LCh	59, 30.758, 216.622
Yxy	27.3252, 0.2225, 0.2969
Android (android.graphics.Color)	4280982702 (0xFF2A9CAE)
YUV	123.9660, 24.6668, -71.8842
Hunter-Lab	52.2735, -21.5336, -13.5858

# Details

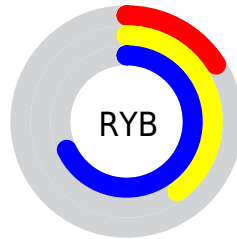
The Hex color **2A9CAE** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AE3C2A**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **6DD3E5**, and **00687A** is the 20% darker color. If you saturate the color by 10%, you get **199AAE**, and if you desaturate by 10%, it is **3B9EAE**.

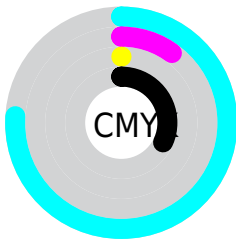
# Distribution



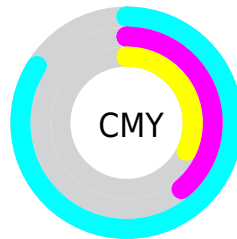
- Red (16%)
- Green (61%)
- Blue (68%)



- Red (16%)
- Yellow (40%)
- Blue (68%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (32%)



- Cyan (84%)
- Magenta (39%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A9CAE 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 2A9CAE by changing the saturation by 10% instead.



 2A9CAE

 2A9CAE

FFFFFF

 008293

 6DD3E5

 00687A

 8AEFFF

 005061

 A8FFFF

 003949

 C6FFFF

 002332

 E3FFFF

 00021E

 000000

 2A9CAE

 2A9CAE

 199AAE

 3B9EAE

0797AE

4DA1AE

0096AE

5EA3AE

70A5AE

81A8AE

92AAAE

A4ADAE

B5AFAE

C7B1AE

# Harmonies

## Analogous

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



3C9D94



2A9CAE



4797C0

# Triad

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



2A9CAE



B67DA5



9B8F59

# Complementary

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



2A9CAE



AE3C2A

# 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.



B3865E



2A9CAE



C37A8A

# Square

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



2A9CAE



9A86BA



C17D70



7E9762

# Rectangle

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



2A9CAE



6492C4



C17D70



A48C59



# Sweetspot

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



2A9CAE



AFDCE3



2AAE3C



536E73



F2F2F2



737373



# Same Dimension

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



2A9CAE



14C7E3



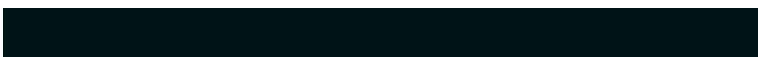
2A5AAE



4E5657



008296



001417



# Inverse Universe

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



AE2A9C



E314C7



AE7E2A



574E56



960082

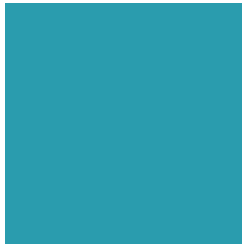


170014



# Previews

## White Background



This preview shows how the Hex color 2A9CAE looks on a white background.

## Color Contrast Check

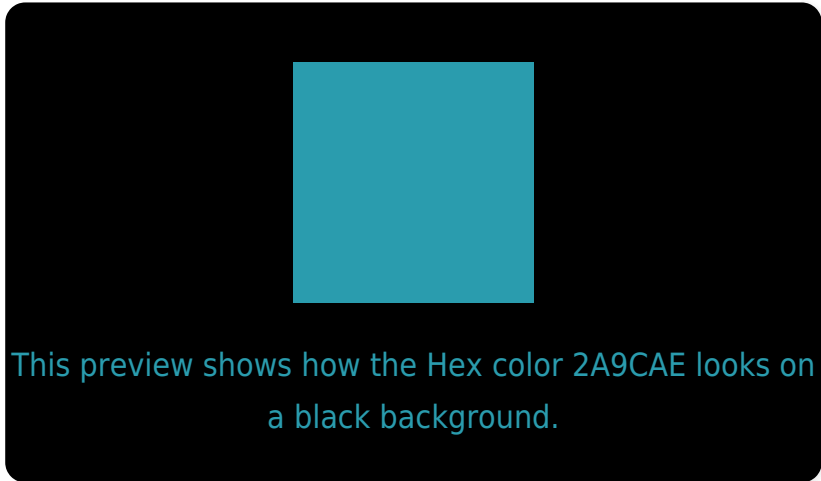
Large Text (above 18pt) WCAG AA ✓ Pass

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

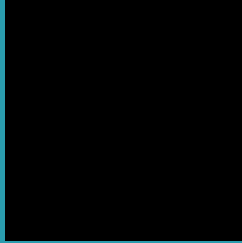
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2A9CAE Background



This preview shows how black text looks on a background with the Hex color 2A9CAE.

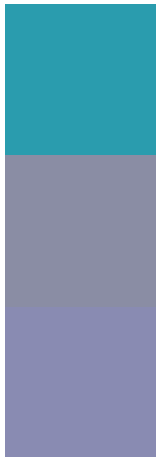


This preview shows how white text looks on a background with the Hex color 2A9CAE.

# 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](#).

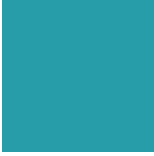
## Dichromacy



**Original Color**  
2A9CAE

**Protanopia**  
8A8DA4

**Deuteranopia**  
898BB2



**Tritanopia**  
269DA9

# Trichromacy



**Original Color**  
2A9CAE



**Protanomaly**  
6792A8



**Deuteranomaly**  
6691B1



**Tritanomaly**  
279DAB

# Monochromacy



**Original Color**  
2A9CAE



**Achromatopsia**  
7C7C7C



**Achromatomaly**  
5E888E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A9CAE 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 #2A9CAE looks like.

```
.text, #text, p{  
    color:#2A9CAE  
}
```

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 #2A9CAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A9CAE
}
```

## Border

The CSS property to change the border of an element to Hex 2A9CAE 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
#2A9CAE }
```

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

```
.border{ border-color:#2A9CAE }
```

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

Here you see how a box with a 4 pixel #2A9CAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A9CAE; -webkit-box-shadow:4px 4px  
4px 4px #2A9CAE; box-shadow:4px 4px 4px  
4px #2A9CAE }
```

# Background

The CSS property to change the background color of an element to Hex 2A9CAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A9CAE }
```

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

```
.background{ background-color:#2A9CAE }
```

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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