

# Converting Colors

Hex(28A9AC)

Have a look what the booklet for  
Hex(28A9AC) contains.

<b>Hex(28A9AC)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(28A9AC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28A9AC
RGB	40, 169, 172
RGB Percent	16%, 66%, 67%
CMY	0.8431, 0.3373, 0.3255
CMYK	0.77, 0.02, 0.00, 0.33
HSL	181°, 62%, 42%
HSV	181°, 77%, 67%
XYZ	22.5094, 31.8056, 43.9825
YIQ	130.7710, -77.8470, -26.4150

# Conversions

## Conversions Part 2

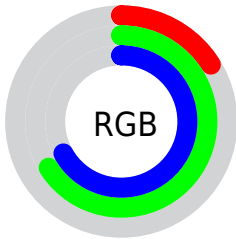
Format	Color
R <sub>Y</sub> B	40, 105, 172
Decimal	2664876
CIE Lab	63.18, -31.95, -11.32
CIE LCh	63, 33.902, 199.512
Yxy	31.8056, 0.2290, 0.3236
Android (android.graphics.Color)	4280854956 (0xFF28A9AC)
YUV	130.7710, 20.3259, -79.6062
Hunter-Lab	56.3965, -27.4494, -6.7615

# Details

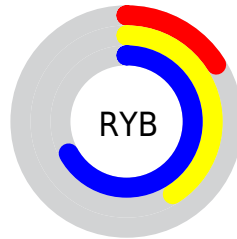
The Hex color **28A9AC** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AC2B28**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **6DE1E3**, and **007478** is the 20% darker color. If you saturate the color by 10%, you get **17A9AC**, and if you desaturate by 10%, it is **39A9AC**.

# Distribution



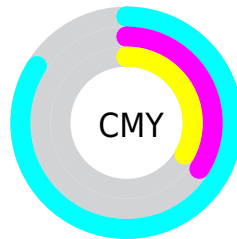
- Red (16%)
- Green (66%)
- Blue (67%)



- Red (16%)
- Yellow (41%)
- Blue (67%)



- Cyan (77%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (84%)
- Magenta (34%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28A9AC 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 28A9AC by changing the saturation by 10% instead.



 28A9AC

 28A9AC

FFFFFF

 008E91

 6DE1E3

 007478

 8BFEEF

 005B5F

 A9FFFF

 004347

 C7FFFF

 002C31

 E5FFFF

 00141C

 000000

 28A9AC

 28A9AC

 17A9AC

 39A9AC

06A8AC

4AAAAC

00A8AC

5CAAAC

6DABAC

7EABAC

8FABAC

A0ACAC

B2ACAC

C3ADAC

# Harmonies

## Analogous

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



50A88D



28A9AC



2AA6C6

# Triad

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



28A9AC



B58AC0



B6935E

# Complementary

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



28A9AC



AC2B28

# 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.



CC896C



28A9AC



CD83A5

# Square

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



28A9AC



8D95D2



D48286



999D5F

# Rectangle

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



28A9AC



4AA2D1



D48286



BF9061



# Sweetspot

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



28A9AC



ADDFE0



28AC2A



516F70



F0F0F0



707070



# Same Dimension

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



28A9AC



12DCE0



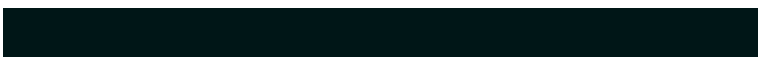
2868AC



4E5757



009396



001617



# Inverse Universe

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



AC28A9



E012DC



AC6C28



574E57



960093



170016



# Previews

## White Background



This preview shows how the Hex color 28A9AC looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 28A9AC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

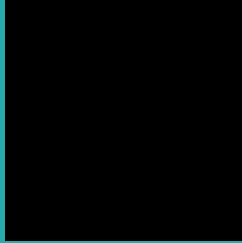
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

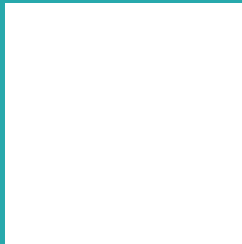
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 28A9AC Background



This preview shows how black text looks on a background with the Hex color 28A9AC.

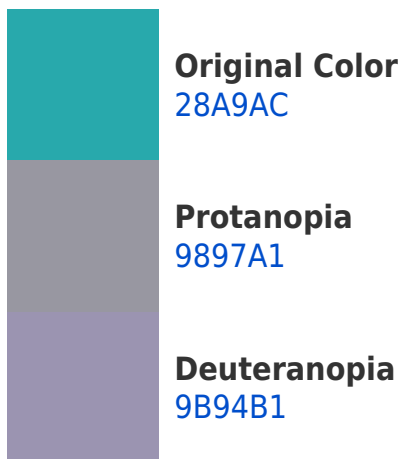


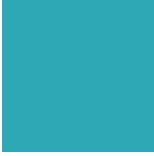
This preview shows how white text looks on a background with the Hex color 28A9AC.

# 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**  
2FA8B5

# Trichromacy



**Original Color**  
28A9AC



**Protanomaly**  
6F9EA5



**Deuteranomaly**  
719CAF



**Tritanomaly**  
2CA8B2

# Monochromacy



**Original Color**  
28A9AC



**Achromatopsia**  
838383



**Achromatomaly**  
629192

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28A9AC 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 #28A9AC looks like.

```
.text, #text, p{  
    color:#28A9AC  
}
```

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 #28A9AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28A9AC
}
```

## Border

The CSS property to change the border of an element to Hex 28A9AC 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
#28A9AC }
```

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

```
.border{ border-color:#28A9AC }
```

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

Here you see how a box with a 4 pixel #28A9AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28A9AC; -webkit-box-shadow:4px 4px  
4px 4px #28A9AC; box-shadow:4px 4px 4px  
4px #28A9AC }
```

# Background

The CSS property to change the background color of an element to Hex 28A9AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28A9AC }
```

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

```
.background{ background-color:#28A9AC }
```

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