

# Converting Colors

Hex(28A7C6)

Have a look what the booklet for  
Hex(28A7C6) contains.

<b>Hex(28A7C6)</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(28A7C6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28A7C6
RGB	40, 167, 198
RGB Percent	16%, 65%, 78%
CMY	0.8431, 0.3451, 0.2235
CMYK	0.80, 0.16, 0.00, 0.22
HSL	192°, 66%, 47%
HSV	192°, 80%, 78%
XYZ	24.8868, 32.1658, 58.3230
YIQ	132.5610, -85.6430, -17.2830

# Conversions

## Conversions Part 2

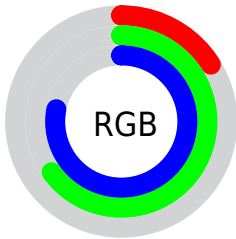
Format	Color
<b>R<sub>YB</sub></b>	40, 110, 198
Decimal	2664390
CIE Lab	63.48, -22.71, -25.39
CIE LCh	63, 34.066, 228.192
Yxy	32.1658, 0.2157, 0.2788
Android (android.graphics.Color)	4280854470 (0xFF28A7C6)
YUV	132.5610, 32.2614, -81.1760
Hunter-Lab	56.7149, -20.9241, -21.2708

# Details

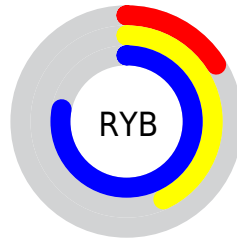
The Hex color **28A7C6** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **C64728**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **70DEFF**, and **007390** is the 20% darker color. If you saturate the color by 10%, you get **14A3C6**, and if you desaturate by 10%, it is **3CABC6**.

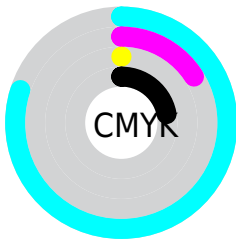
# Distribution



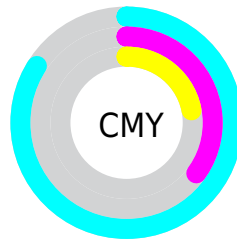
- Red (16%)
- Green (65%)
- Blue (78%)



- Red (16%)
- Yellow (43%)
- Blue (78%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (35%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28A7C6 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 28A7C6 by changing the saturation by 10% instead.



 28A7C6

 28A7C6

FFFFFF

 008CAB

 70DEFF

 007390

 8FFBFF

 005A76

 ADFFFF

 00425E

 CCFFFF

 002C46

 EAFFFF

 00172F

 00011A

 000000

 28A7C6

 28A7C6

■ 14A3C6

■ 3CABC6

■ 009FC6

■ 50AFC6

■ 63B3C6

■ 77B7C6

■ 8BBAC6

■ 9FBEC6

■ B3C2C6

■ C6C6C6

■ DACAC6

# Harmonies

## Analogous

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



2AAAAC



28A7C6



5AA0D5

# Triad

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



28A7C6



CD83A7



9B9E5F

# Complementary

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



28A7C6



C64728

# 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.



B9945E



28A7C6



D58388

# Square

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



28A7C6



B48BC2



CD896E



79A570

# Rectangle

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



28A7C6



7C9AD5



CD896E



A69B5D

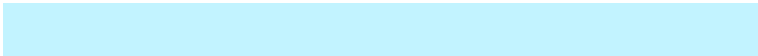


# Sweetspot

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



28A7C6



C2F3FF



28C645



5B7880



000000



808080

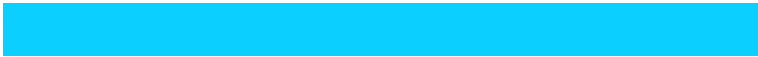


# Same Dimension

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



28A7C6



0ACFFF



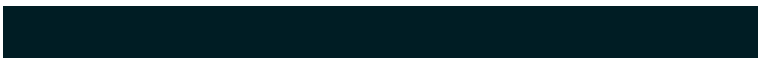
285AC6



5A6163



0083A3



001D24



# Inverse Universe

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



C628A7



FF0ACF



C69428



635A61



A30083



24001D



# Previews

## White Background



This preview shows how the Hex color 28A7C6 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 28A7C6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

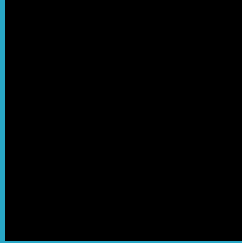
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 28A7C6 Background



This preview shows how black text looks on a background with the Hex color 28A7C6.

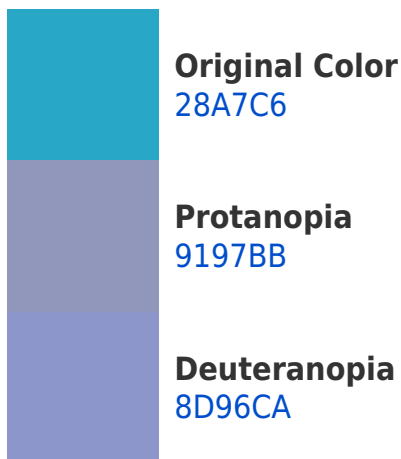


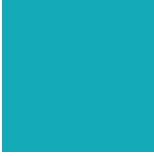
This preview shows how white text looks on a background with the Hex color 28A7C6.

# 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](#).

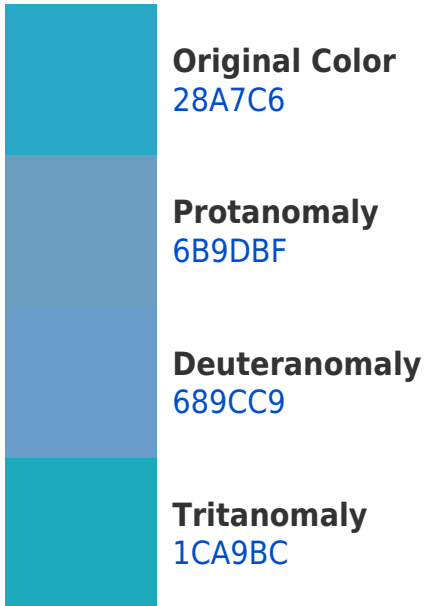
## Dichromacy





**Tritanopia**  
15AAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28A7C6 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 #28A7C6 looks like.

```
.text, #text, p{  
    color:#28A7C6  
}
```

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 #28A7C6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28A7C6  
}
```

## Border

The CSS property to change the border of an element to Hex 28A7C6 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  
#28A7C6 }
```

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

```
.border{ border-color:#28A7C6 }
```

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

Here you see how a box with a 4 pixel #28A7C6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28A7C6; -webkit-box-shadow:4px 4px  
4px 4px #28A7C6; box-shadow:4px 4px 4px  
4px #28A7C6 }
```

# Background

The CSS property to change the background color of an element to Hex 28A7C6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28A7C6 }
```

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

```
.background{ background-color:#28A7C6 }
```

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