

# Converting Colors

Hex(09CAE6)

Have a look what the booklet for  
Hex(09CAE6) contains.

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# **Color**

**Hex(09CAE6)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 09CAE6                        |
| RGB         | 9, 202, 230                   |
| RGB Percent | 4%, 79%, 90%                  |
| CMY         | 0.9647, 0.2078, 0.0980        |
| CMYK        | 0.96, 0.12, 0.00, 0.10        |
| HSL         | 188°, 92%, 47%                |
| HSV         | 188°, 96%, 90%                |
| XYZ         | 35.5161, 48.0123, 82.2583     |
| YIQ         | 147.4850, -124.0160, -32.2080 |

# Conversions

## Conversions Part 2

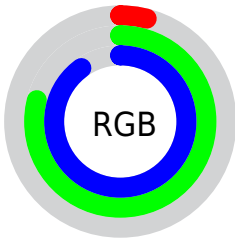
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 9, 112, 230                     |
| Decimal                             | 641766                          |
| CIELab                              | 74.83, -31.38, -25.55           |
| CIELCh                              | 75, 40.467, 219.143             |
| Yxy                                 | 48.0123, 0.2142,<br>0.2896      |
| Android<br>(android.graphics.Color) | 4278831846<br>(0xFF09CAE6)      |
| YUV                                 | 147.4850, 40.6799,<br>-121.4513 |
| Hunter-Lab                          | 69.2909, -29.7662,<br>-21.8821  |

# Details

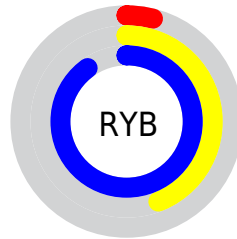
The Hex color **09CAE6** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **E62509**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **6FFFFFF**, and **0093AE** is the 20% darker color. If you saturate the color by 10%, you get **00C9E6**, and if you desaturate by 10%, it is **20CDE6**.

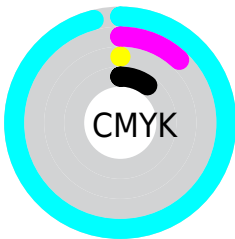
# Distribution



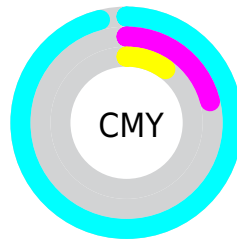
- Red (4%)
- Green (79%)
- Blue (90%)



- Red (4%)
- Yellow (44%)
- Blue (90%)



- Cyan (96%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (96%)
- Magenta (21%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 09CAE6 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 09CAE6 by changing the saturation by 10% instead.



 09CAE6

 09CAE6

FFFFFF

 00AECA

 6FFFFFF

 0093AE

 91FFFF

 007994

 B1FFFF

 00607A

 D1FFFF

 004861

 F1FFFF

 003149

 001C32

 00021D

 000000

■ 09CAE6

■ 09CAE6

■ 00C9E6

■ 20CDE6

■ 37D0E6

■ 4ED3E6

■ 65D6E6

■ 7CD9E6

■ 93DBE6

■ AADEE6

■ C1E1E6

■ D8E4E6

# Harmonies

## Analogous

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



37CCC3



09CAE6



52C3FD

# Triad

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



09CAE6



F09FD4



C5BA6E

# Complementary

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



09CAE6



E62509

# 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.



E7AD73



09CAE6



FF9BAE

# Square

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



09CAE6



CBAAF2



FCA18B



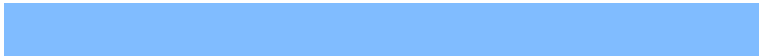
9DC47D

# Rectangle

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



09CAE6



80BCFF



FCA18B



D2B66D



# Sweetspot

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



09CAE6



B5F6FF



09E623



537A80



000000



808080

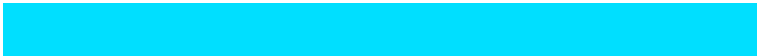


# Same Dimension

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



09CAE6



00DFFF



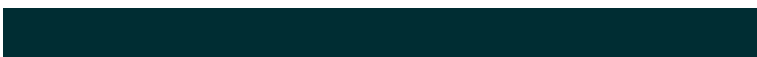
095EE6



677173



009CB3



002D33



# Inverse Universe

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



E609CA



FF00DF



E69109



736771



B3009C

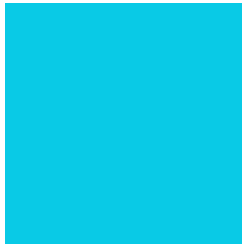


33002D



# Previews

## White Background



This preview shows how the Hex color 09CAE6 looks on a white background.

## Color Contrast Check

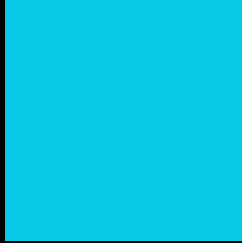
Large Text (above 18pt) WCAG AA × Fail

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 09CAE6 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 09CAE6 Background



This preview shows how black text looks on a background with the Hex color 09CAE6.

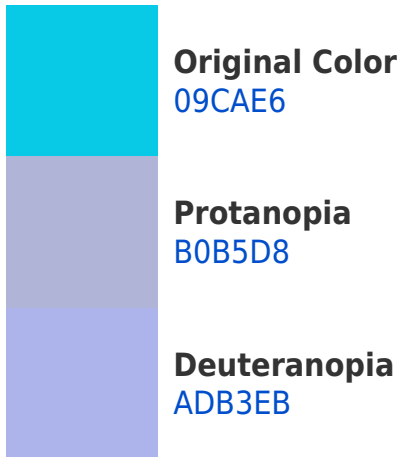


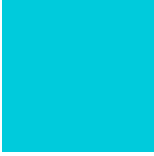
This preview shows how white text looks on a background with the Hex color 09CAE6.

# 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

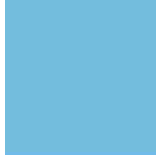




# Trichromacy



**Original Color**  
09CAE6



**Protanomaly**  
73BDDD



**Deuteranomaly**  
71BBE9



**Tritanomaly**  
03CBE0

# Monochromacy



**Original Color**  
09CAE6



**Achromatopsia**  
939393



**Achromatomaly**  
61A7B1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 09CAE6 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 #09CAE6 looks like.

```
.text, #text, p{  
    color:#09CAE6  
}
```

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 #09CAE6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #09CAE6
}
```

## Border

The CSS property to change the border of an element to Hex 09CAE6 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
#09CAE6 }
```

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

```
.border{ border-color:#09CAE6 }
```

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

Here you see how a box with a 4 pixel #09CAE6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #09CAE6; -webkit-box-shadow:4px 4px  
4px 4px #09CAE6; box-shadow:4px 4px 4px  
4px #09CAE6 }
```

# Background

The CSS property to change the background color of an element to Hex 09CAE6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#09CAE6 }
```

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

```
.background{ background-color:#09CAE6 }
```

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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