

# Converting Colors

Hex(05AEAE)

Have a look what the booklet for  
Hex(05AEAE) contains.

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# Color

Hex(05AEAE)

# Conversions

## Conversions Part 1

Format	Color
Hex	05AEAE
RGB	5, 174, 174
RGB Percent	2%, 68%, 68%
CMY	0.9804, 0.3176, 0.3176
CMYK	0.97, 0.00, 0.00, 0.32
HSL	180°, 94%, 35%
HSV	180°, 97%, 68%
XYZ	22.8386, 33.3604, 45.2799
YIQ	123.4690, -100.7240, -35.8280

# Conversions

## Conversions Part 2

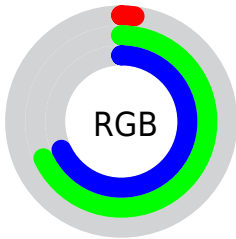
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 90, 174
Decimal	372398
CIELab	64.45, -35.93, -10.57
CIELCh	64, 37.451, 196.400
Yxy	33.3604, 0.2251, 0.3287
Android (android.graphics.Color)	4278562478 (0xFF05AEAE)
YUV	123.4690, 24.9118, -103.8973
Hunter-Lab	57.7584, -30.4955, -6.0497

# Details

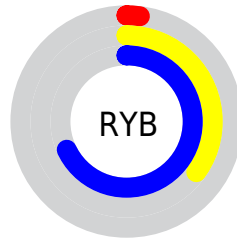
The Hex color **05AEAE** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AE0505**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **62E6E5**, and **00797A** is the 20% darker color. If you saturate the color by 10%, you get **00AEAE**, and if you desaturate by 10%, it is **16AEAE**.

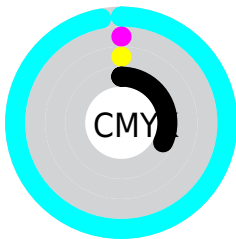
# Distribution



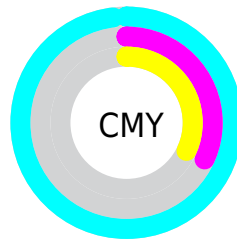
- Red (2%)
- Green (68%)
- Blue (68%)



- Red (2%)
- Yellow (35%)
- Blue (68%)



- Cyan (97%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)



- Cyan (98%)
- Magenta (32%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 05AEAE 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 05AEAE by changing the saturation by 10% instead.



 05AEAE

 05AEAE

FFFFFF

 009393

 62E6E5

 00797A

 82FFFF

 005F61

 A1FFFF

 004749

 BFFFFF

 003033

 DDFFFF

 00191E

 FCFFFF

 000002

 000000

 05AEAE

 05AEAE

■ 00AEAE

■ 16AEAE

■ 28AEAE

■ 39AEAE

■ 4BAEAE

■ 5CAEAE

■ 6DAEAE

■ 7FAEAE

■ 90AEAE

■ A2AEAE

# Harmonies

## Analogous

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



4DAD8B



05AEAE



00ABCC

# Triad

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



05AEAE



B78DCB



BF955B

# Complementary

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



05AEAE



AE0505

# 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.



D58A6D



05AEAE



D484AD

# Square

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



05AEAE



8999DC



DD828B



A0A05B

# Rectangle

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



05AEAE



35A7D9



DD828B



C8915F



# Sweetspot

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



05AEAE



A1E3E3



05AE05



4B7373



F2F2F2



737373



# Same Dimension

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



05AEAE



00E3E3



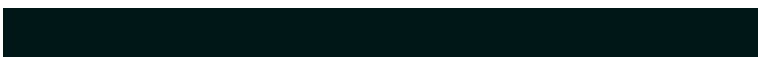
055AAE



4E5757



009696



001717



# Inverse Universe

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



AE05AE



E300E3



AE5A05



574E57



960096

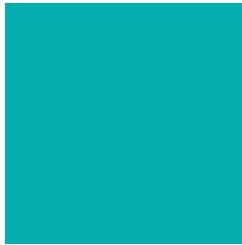


170017



# Previews

## White Background



This preview shows how the Hex color 05AEAE 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 05AEAE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

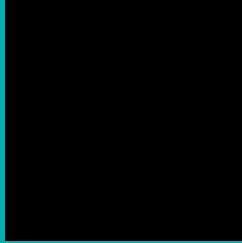
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 05AEAE Background



This preview shows how black text looks on a background with the Hex color 05AEAE.

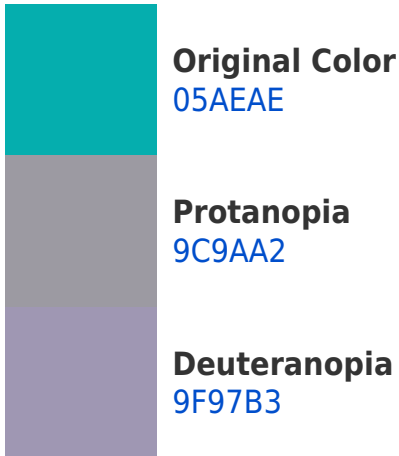


This preview shows how white text looks on a background with the Hex color 05AEAE.

# 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**  
05AEAE



**Protanomaly**  
65A1A6



**Deuteranomaly**  
679FB1



**Tritanomaly**  
16ADB6

# Monochromacy



**Original Color**  
05AEAE



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
508E8E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 05AEAE 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 #05AEAE looks like.

```
.text, #text, p{  
    color:#05AEAE  
}
```

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 #05AEAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #05AEAE
}
```

## Border

The CSS property to change the border of an element to Hex 05AEAE 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
#05AEAE }
```

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

```
.border{ border-color:#05AEAE }
```

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

Here you see how a box with a 4 pixel #05AEAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #05AEAE; -webkit-box-shadow:4px 4px  
4px 4px #05AEAE; box-shadow:4px 4px 4px  
4px #05AEAE }
```

# Background

The CSS property to change the background color of an element to Hex 05AEAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#05AEAE }
```

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

```
.background{ background-color:#05AEAE }
```

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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