

# Converting Colors

Hex(15AEC1)

Have a look what the booklet for  
Hex(15AEC1) contains.

<b>Hex(15AEC1)</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(15AEC1)

# Conversions

## Conversions Part 1

Format	Color
Hex	15AEC1
RGB	21, 174, 193
RGB Percent	8%, 68%, 76%
CMY	0.9176, 0.3176, 0.2431
CMYK	0.89, 0.10, 0.00, 0.24
HSL	187°, 80%, 42%
HSV	187°, 89%, 76%
XYZ	25.0710, 34.2818, 55.7477
YIQ	130.4190, -97.2870, -26.5270

# Conversions

## Conversions Part 2

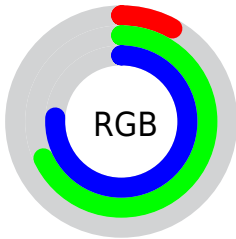
Format	Color
<code>RYB</code>	<code>21, 102, 193</code>
Decimal	<code>1420993</code>
CIELab	<code>65.19, -29.28, -20.02</code>
CIELCh	<code>65, 35.469, 214.372</code>
Yxy	<code>34.2818, 0.2178, 0.2978</code>
Android ( <code>android.graphics.Color</code> )	<code>4279611073 (0xFF15AEC1)</code>
YUV	<code>130.4190, 30.8524, -95.9605</code>
Hunter-Lab	<code>58.5507, -26.0313, -15.4662</code>

# Details

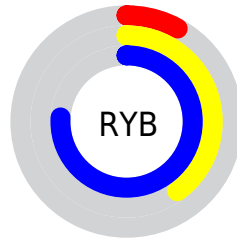
The Hex color **15AEC1** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **C12815**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **69E6F9**, and **00798B** is the 20% darker color. If you saturate the color by 10%, you get **02ACC1**, and if you desaturate by 10%, it is **28B0C1**.

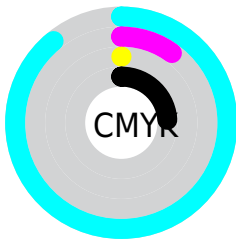
# Distribution



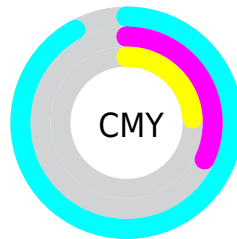
- Red (8%)
- Green (68%)
- Blue (76%)



- Red (8%)
- Yellow (40%)
- Blue (76%)



- Cyan (89%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (92%)
- Magenta (32%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 15AEC1 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 15AEC1 by changing the saturation by 10% instead.



 15AEC1

 15AEC1

FFFFFF

 0093A6

 69E6F9

 00798B

 88FFFF

 006072

 A7FFFF

 004859

 C6FFFF

 003142

 E4FFFF

 001C2C

 000117

 000000

 15AEC1

 15AEC1

02ACC1

28B0C1

00ACC1

3CB2C1

4FB4C1

62B7C1

76B9C1

89BBC1

9CBDC1

AFBFC1

C3C1C1

# Harmonies

## Analogous

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



3AAFA2



15AEC1



40A9D7

# Triad

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



15AEC1



CA8ABA



AF9E5E

# Complementary

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



15AEC1



C12815

# 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.



CA9366



15AEC1



DB859B

# Square

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



15AEC1



A894D3



DA897C



8DA769

# Rectangle

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



15AEC1



66A3DD



DA897C



B99A5F



# Sweetspot

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



15AEC1



B6F2FA



15C126



55797D



FCFCFC



7D7D7D

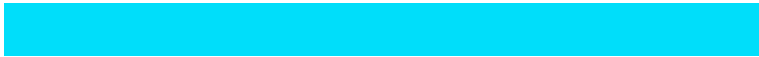


# Same Dimension

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



15AEC1



00DEFA



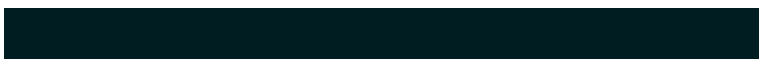
155AC1



576061



008FA1



001D21



# Inverse Universe

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



C115AE



FA00DE



C17C15



615760



A1008F



21001D



# Previews

## White Background



This preview shows how the Hex color 15AEC1 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 15AEC1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

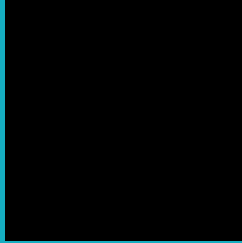
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 15AEC1 Background



This preview shows how black text looks on a background with the Hex color 15AEC1.

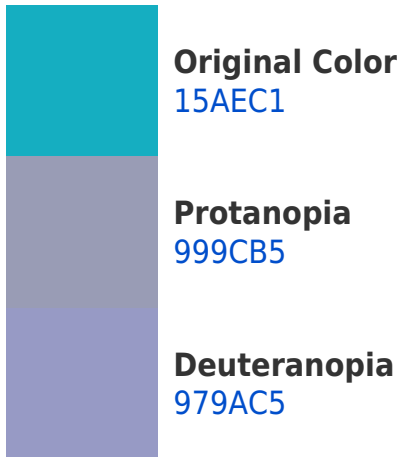


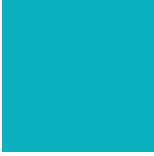
This preview shows how white text looks on a background with the Hex color 15AEC1.

# 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**  
08AFBD

# Trichromacy



**Original Color**  
15AEC1



**Protanomaly**  
69A3B9



**Deuteranomaly**  
68A1C4



**Tritanomaly**  
0DAFBE

# Monochromacy



**Original Color**  
15AEC1



**Achromatopsia**  
828282



**Achromatomaly**  
5A9299

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 15AEC1 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 #15AEC1 looks like.

```
.text, #text, p{  
    color:#15AEC1  
}
```

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 #15AEC1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #15AEC1
}
```

## Border

The CSS property to change the border of an element to Hex 15AEC1 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
#15AEC1 }
```

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

```
.border{ border-color:#15AEC1 }
```

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

Here you see how a box with a 4 pixel #15AEC1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #15AEC1; -webkit-box-shadow:4px 4px  
4px 4px #15AEC1; box-shadow:4px 4px 4px  
4px #15AEC1 }
```

# Background

The CSS property to change the background color of an element to Hex 15AEC1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#15AEC1 }
```

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

```
.background{ background-color:#15AEC1 }
```

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