

# Converting Colors

Hex(3DAAD9)

Have a look what the booklet for  
Hex(3DAAD9) contains.

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# **Color**

**Hex(3DAAD9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DAAD9
RGB	61, 170, 217
RGB Percent	24%, 67%, 85%
CMY	0.7608, 0.3333, 0.1490
CMYK	0.72, 0.22, 0.00, 0.15
HSL	198°, 67%, 55%
HSV	198°, 72%, 85%
XYZ	28.8236, 34.7513, 70.8341
YIQ	142.7670, -80.0510, -8.4910

# Conversions

## Conversions Part 2

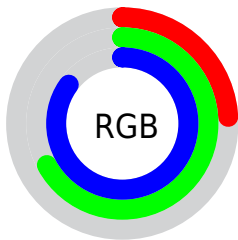
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 125, 217
Decimal	4041433
CIELab	65.55, -15.61, -32.69
CIELCh	66, 36.220, 244.478
Yxy	34.7513, 0.2144, 0.2585
Android (android.graphics.Color)	4282231513 (0xFF3DAAD9)
YUV	142.7670, 36.5969, -71.7097
Hunter-Lab	58.9502, -15.8858, -29.9772




# Details

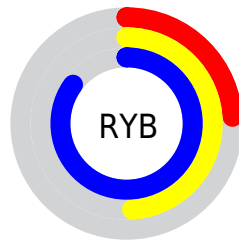
The Hex color **3DAAD9** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **D96C3D**, and the grayscale version is **8E8E8E**.




A 20% lighter version of the original color is **7FE1FF**, and **0076A2** is the 20% darker color. If you saturate the color by 10%, you get **27A3D9**, and if you desaturate by 10%, it is **53B1D9**.

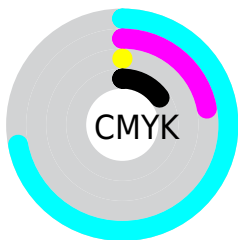
# Distribution







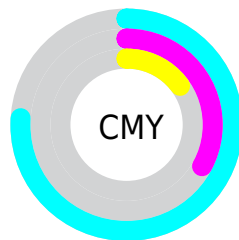
-  Red (24%)
-  Green (67%)
-  Blue (85%)






-  Red (24%)
-  Yellow (49%)
-  Blue (85%)



-  Cyan (72%)
-  Magenta (22%)
-  Yellow (0%)
-  Black (15%)



-  Cyan (76%)
-  Magenta (33%)
-  Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3DAAD9 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 3DAAD9 by changing the saturation by 10% instead.



■ 3DAAD9

■ 3DAAD9

FFFFFF

■ 008FBD

■ 7FE1FF

■ 0076A2

■ 9EFEFF

■ 005D88

■ BCFFFF

■ 00466E

■ DAFFFF

■ 002F55

■ F9FFFF

■ 001C3E

■ 000328

■ 000111

■ 000000

■ 3DAAD9

■ 3DAAD9

■ 27A3D9

■ 53B1D9

■ 129DD9

■ 68B7D9

■ 0098D9

■ 7EBED9

■ 94C4D9

■ AACBD9

■ BFD1D9

■ D5D8D9

■ EBDED9

■ FFE5D9

# Harmonies

## Analogous

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



07AFC3



3DAAD9



78A1E0

# Triad

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



3DAAD9



DD869B



8DA869

# Complementary

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



3DAAD9



D96C3D

# 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.



B09F5E



3DAAD9



DC8A7C

# Square

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



3DAAD9



CC8ABC



CB9465



66AE82

# Rectangle

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



3DAAD9



9A99DA



CB9465



99A563

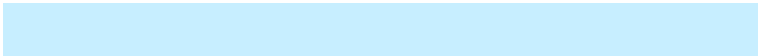


# Sweetspot

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



3DAAD9



C7EEFF



3DD96C



5E7680



000000



808080



# Same Dimension

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



3DAAD9



24BDFE



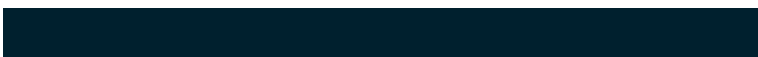
3D5CD9



636A6E



0079AD



00202E



# Inverse Universe

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



D93DAA



FF24BD



D9BA3D



6E636A



AD0079



2E0020



# Previews

## White Background



This preview shows how the Hex color 3DAAD9 looks on a white background.

## Color Contrast Check

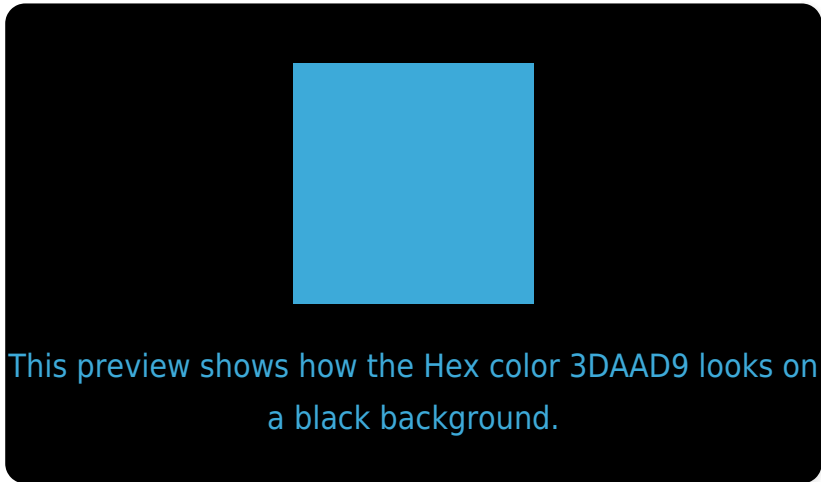
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

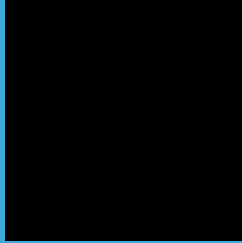
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

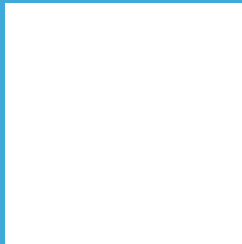
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3DAAD9 Background



This preview shows how black text looks on a background with the Hex color 3DAAD9.

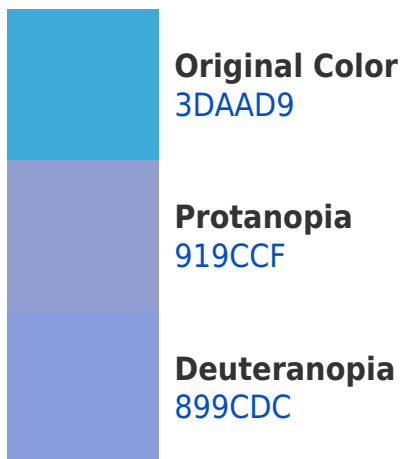


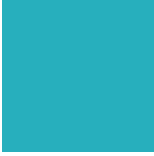
This preview shows how white text looks on a background with the Hex color 3DAAD9.

# 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](#).

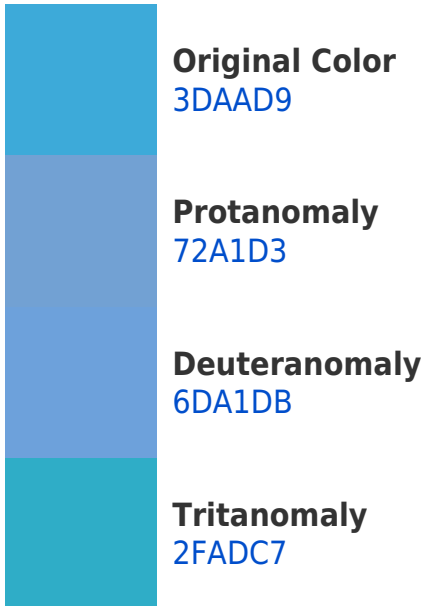
## Dichromacy



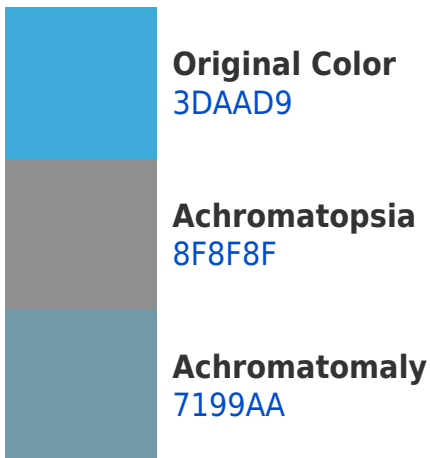


**Tritanopia**  
27AFBD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3DAAD9 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 #3DAAD9 looks like.

```
.text, #text, p{  
    color:#3DAAD9  
}
```

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 #3DAAD9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DAAD9
}
```

## Border

The CSS property to change the border of an element to Hex 3DAAD9 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
#3DAAD9 }
```

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

```
.border{ border-color:#3DAAD9 }
```

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

Here you see how a box with a 4 pixel #3DAAD9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DAAD9; -webkit-box-shadow:4px 4px  
4px 4px #3DAAD9; box-shadow:4px 4px 4px  
4px #3DAAD9 }
```

# Background

The CSS property to change the background color of an element to Hex 3DAAD9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DAAD9 }
```

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

```
.background{ background-color:#3DAAD9 }
```

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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