

# Converting Colors

Hex(40DA9B)

Have a look what the booklet for  
Hex(40DA9B) contains.

<b>Hex(40DA9B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(40DA9B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40DA9B
RGB	64, 218, 155
RGB Percent	25%, 85%, 61%
CMY	0.7490, 0.1451, 0.3922
CMYK	0.71, 0.00, 0.29, 0.15
HSL	155°, 68%, 55%
HSV	155°, 71%, 85%
XYZ	33.1022, 53.5994, 39.6114
YIQ	164.7720, -71.5610, -52.2410

# Conversions

## Conversions Part 2

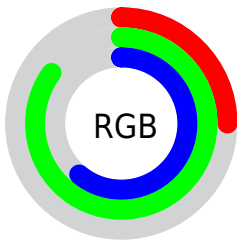
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 161, 218
Decimal	4250267
CIELab	78.23, -54.37, 19.69
CIELCh	78, 57.824, 160.095
Yxy	53.5994, 0.2621, 0.4243
Android (android.graphics.Color)	4282440347 (0xFF40DA9B)
YUV	164.7720, -4.8176, -88.3770
Hunter-Lab	73.2116, -47.4126, 19.1690

# Details

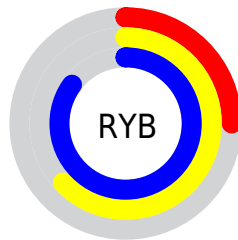
The Hex color **40DA9B** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **DA407F**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **82FFD2**, and **00A268** is the 20% darker color. If you saturate the color by 10%, you get **2ADA92**, and if you desaturate by 10%, it is **56DAA4**.

# Distribution



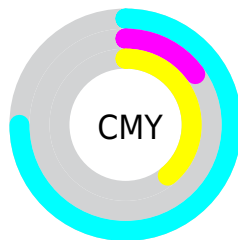
- Red (25%)
- Green (85%)
- Blue (61%)



- Red (25%)
- Yellow (63%)
- Blue (85%)



- Cyan (71%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)



- Cyan (75%)
- Magenta (15%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40DA9B 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 40DA9B by changing the saturation by 10% instead.



 40DA9B

 40DA9B

FFFFFF

 07BE81

 82FFD2

 00A268

 A1FFEE

 00874F

 BFFFFFF

 006C38

 DEFFF

 005322

 FDFFFF

 003A0C

 002300

 000000

 40DA9B

 40DA9B

 2ADA92

 56DAA4

 14DA89

 6CDAAD

 00DA81

 81DAB6

 97DABF

 ADDAC8

 C3DAD1

 D9DAD9

 EEDAE2

 FFDAEB

# Harmonies

## Analogous

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



95D26C



40DA9B



00DDD3

# Triad

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



40DA9B



86C1FF



FF9E7F

# Complementary

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



40DA9B



DA407F

# 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.



FF93B1



40DA9B



DDACFF

# Square

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



40DA9B



00D1FF



FF99E7



FEB25B

# Rectangle

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



40DA9B



00DCF6



FF99E7



FF998F

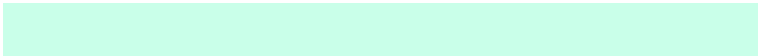


# Sweetspot

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



40DA9B



C9FFE9



80DA40



608072



000000



808080



# Same Dimension

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



40DA9B



26FFA6



40CDDA



636E69



00AD66



002E1B



# Inverse Universe

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



DA407F



FF267F



DA4D40



6E6367



AD0047

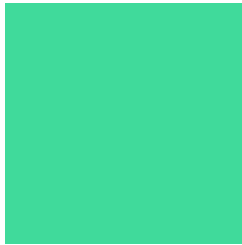


2E0013



# Previews

## White Background



This preview shows how the Hex color 40DA9B 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 40DA9B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

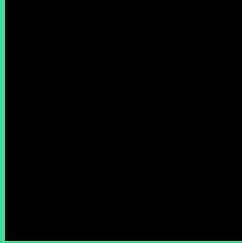
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 40DA9B Background



This preview shows how black text looks on a background with the Hex color 40DA9B.

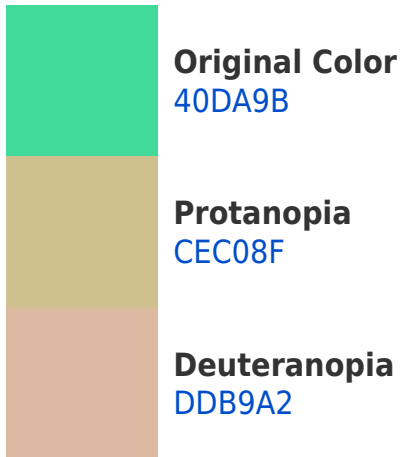


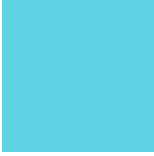
This preview shows how white text looks on a background with the Hex color 40DA9B.

# 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**  
5ED1E2

# Trichromacy



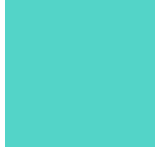
**Original Color**  
40DA9B



**Protanomaly**  
9AC993



**Deuteranomaly**  
A4C59F



**Tritanomaly**  
53D4C8

# Monochromacy



**Original Color**  
40DA9B



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
80B8A1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40DA9B 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 #40DA9B looks like.

```
.text, #text, p{  
    color:#40DA9B  
}
```

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 #40DA9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40DA9B
}
```

## Border

The CSS property to change the border of an element to Hex 40DA9B 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
#40DA9B }
```

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

```
.border{ border-color:#40DA9B }
```

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

Here you see how a box with a 4 pixel #40DA9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40DA9B; -webkit-box-shadow:4px 4px  
4px 4px #40DA9B; box-shadow:4px 4px 4px  
4px #40DA9B }
```

# Background

The CSS property to change the background color of an element to Hex 40DA9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40DA9B }
```

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

```
.background{ background-color:#40DA9B }
```

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