

Converting Colors

Hex(40BF9F)

Have a look what the booklet for
Hex(40BF9F) contains.

Hex(40BF9F)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(40BF9F)

Conversions

Conversions Part 1

Format	Color
Hex	40BF9F
RGB	64, 191, 159
RGB Percent	25%, 75%, 62%
CMY	0.7490, 0.2510, 0.3765
CMYK	0.66, 0.00, 0.17, 0.25
HSL	165°, 50%, 50%
HSV	165°, 66%, 75%
XYZ	27.0032, 40.8548, 39.2634
YIQ	149.3790, -65.4200, -36.8760

Conversions

Conversions Part 2

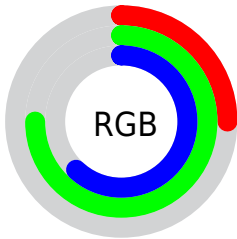
Format	Color
RYB	64, 137, 191
Decimal	4243359
CIELab	70.07, -42.31, 6.05
CIElCh	70, 42.742, 171.865
Yxy	40.8548, 0.2521, 0.3814
Android (android.graphics.Color)	4282433439 (0xFF40BF9F)
YUV	149.3790, 4.7432, -74.8774
Hunter-Lab	63.9178, -36.4457, 8.3217

Details

The Hex color **40BF9F** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **BF4060**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **7EF8D6**, and **00896C** is the 20% darker color. If you saturate the color by 10%, you get **2DBF9A**, and if you desaturate by 10%, it is **53BFA4**.

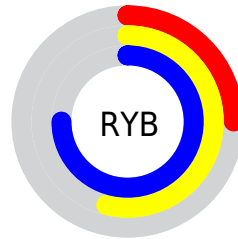
Distribution



Red (25%)

Green (75%)

Blue (62%)



Red (25%)

Yellow (54%)

Blue (75%)

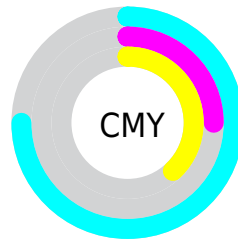


Cyan (66%)

Magenta (0%)

Yellow (17%)

Black (25%)



Cyan (75%)

Magenta (25%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 40BF9F 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 40BF9F by changing the saturation by 10% instead.

 40BF9F

 40BF9F

FFFFFF

 15A385

 7EF8D6

 00896C

 9CFFF2

 006F53

 B9FFFF

 00553C

 D7FFFF

 003D27

 F5FFFF

 002812

 000100

 000000

 40BF9F

 40BF9F

 2DBF9A

 53BFA4

 1ABF95

 66BFA9

 07BF91

 79BFAD

 00BF8F

 8CBFB2

 A0BFB7

 B3BFBC

 C6BFC1

 D9BFC6

 ECBFCA

Harmonies

Analogous

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



7ABA7A



40BF9F



00BFC7

Triad

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



40BF9F



9FA5F3



E99870

Complementary

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



40BF9F



BF4060

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.



F68E90



40BF9F



D297DC

Square

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



40BF9F



59B2F8



EF8DB8



CDA55E

Rectangle

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



40BF9F



00BDDE



EF8DB8



EF9479

Sweetspot

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



40BF9F



C6F7EB



62BF40



5F7D75



FCFCFC



7D7D7D

Same Dimension

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



40BF9F



31F7C5



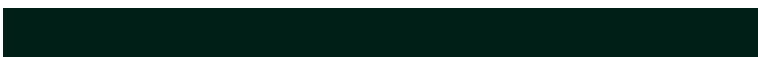
40A1BF



555E5C



009E76



001F17

Inverse Universe

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



BF4060



F73163



BF5E40



5E5557



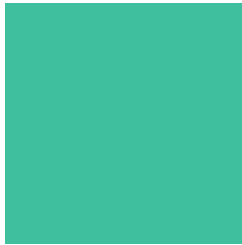
9E0028



1F0008

Previews

White Background



This preview shows how the Hex color 40BF9F looks on a white background.

Color Contrast Check

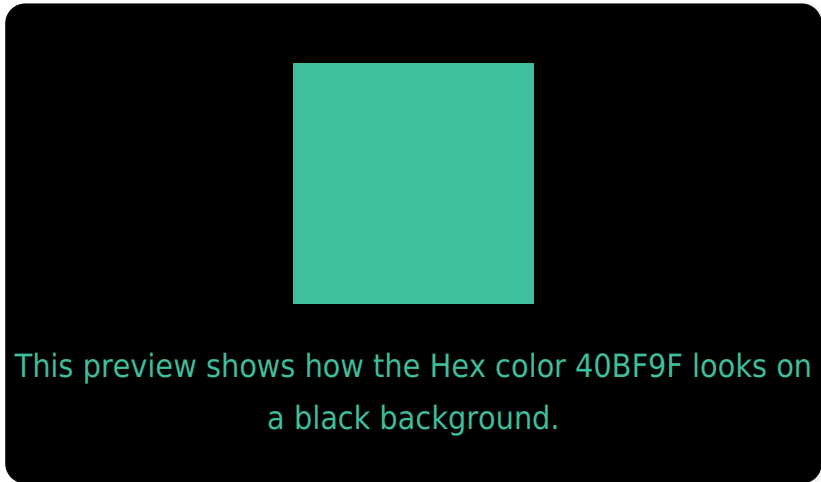
Large Text (above 18pt) WCAG AA × Fail

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

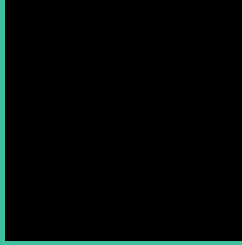
Any Text WCAG AA ✓ Pass

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 40BF9F Background



This preview shows how black text looks on a background with the Hex color 40BF9F.

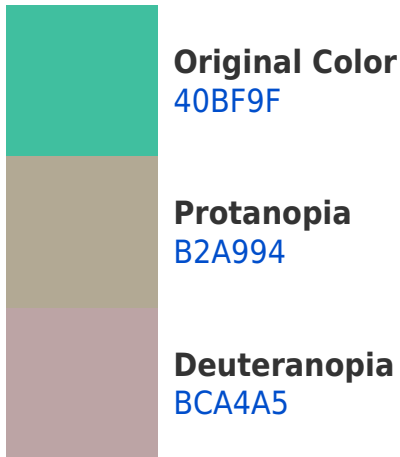


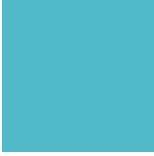
This preview shows how white text looks on a background with the Hex color 40BF9F.

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](#).

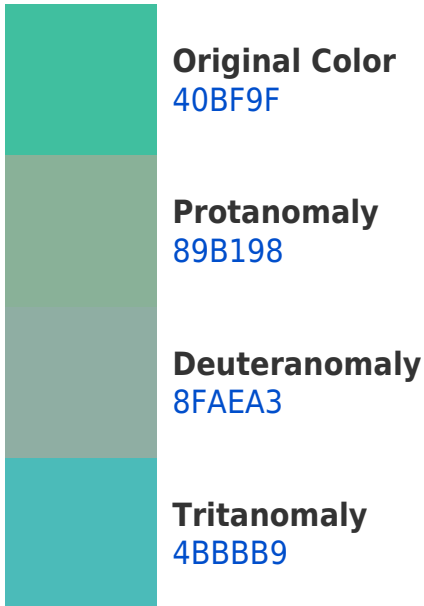
Dichromacy





Tritanopia
52B9C8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 40BF9F 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 #40BF9F looks like.

```
.text, #text, p{  
    color:#40BF9F  
}
```

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 #40BF9F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40BF9F
}
```

Border

The CSS property to change the border of an element to Hex 40BF9F 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
#40BF9F }
```

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

```
.border{ border-color:#40BF9F }
```

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

Here you see how a box with a 4 pixel #40BF9F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40BF9F; -webkit-box-shadow:4px 4px  
4px 4px #40BF9F; box-shadow:4px 4px 4px  
4px #40BF9F }
```

Background

The CSS property to change the background color of an element to Hex 40BF9F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40BF9F }
```

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

```
.background{ background-color:#40BF9F }
```

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