

# Converting Colors

Decimal(40819)

Have a look what the booklet for  
Decimal(40819) contains.

<b>Decimal(40819)</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

**Decimal(40819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009F73
RGB	0, 159, 115
RGB Percent	0%, 62%, 45%
CMY	1.0000, 0.3765, 0.5490
CMYK	1.00, 0.00, 0.28, 0.38
HSL	163°, 100%, 31%
HSV	163°, 100%, 62%
XYZ	15.4926, 26.0341, 20.4282
YIQ	106.4430, -80.6400, -47.3920

# Conversions

## Conversions Part 2

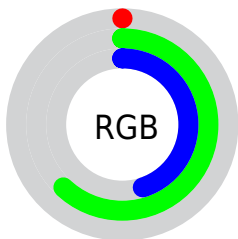
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 92, 159
Decimal	40819
CIELab	58.07, -46.14, 13.21
CIELCh	58, 47.991, 164.021
Yxy	26.0341, 0.2501, 0.4202
Android (android.graphics.Color)	4278230899 (0xFF009F73)
YUV	106.4430, 4.2186, -93.3505
Hunter-Lab	51.0236, -35.0921, 11.9787

# Details

The Decimal color **40819** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10420268**, and the grayscale version is **6974058**.

A 20% lighter version of the original color is **5887911**, and **27203** is the 20% darker color. If you saturate the color by 10%, you get **40819**, and if you desaturate by 10%, it is **1089399**.

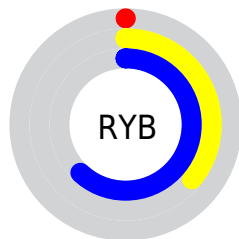
# Distribution



Red (0%)

Green (62%)

Blue (45%)



Red (0%)

Yellow (36%)

Blue (62%)

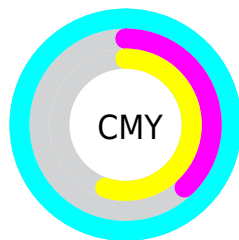


Cyan (100%)

Magenta (0%)

Yellow (28%)

Black (38%)



Cyan (100%)

Magenta (38%)

Yellow (55%)

# Brightness & Saturation Gradients


These gradients show how the Decimal color 40819 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 Decimal color 40819 by changing the saturation by 10% instead.



 40819  40819

16777215  33882

 5887911  27203

 7861186  20780

 9830366  14615

 11730939  8960

 13697023  0

 15663103

 40819

 1089399

■ 2137980

■ 3186560

■ 4235141

■ 5283721

■ 6266765

■ 7315346

■ 8363926

■ 9412507

# Harmonies

## Analogous

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



6396237



40819



41375

# Triad

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



40819



6719965



13660755

# Complementary

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



40819



10420268

# 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.



14313337



40819



11040968

# Square

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



40819



38620



13462180



11960633

# Rectangle

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



40819



40889



13462180



14052703



# Sweetspot

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



40819



9555901



2989824



4417886



15263976



6908265



# Same Dimension

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



40819



53141



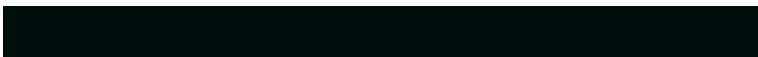
32159



4673357



36711



3851



# Inverse Universe

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



10420268



13566009



10428928



5195593



9371688



983044



# Previews

## White Background



This preview shows how the Decimal color 40819 looks on a white background.

## Color Contrast Check

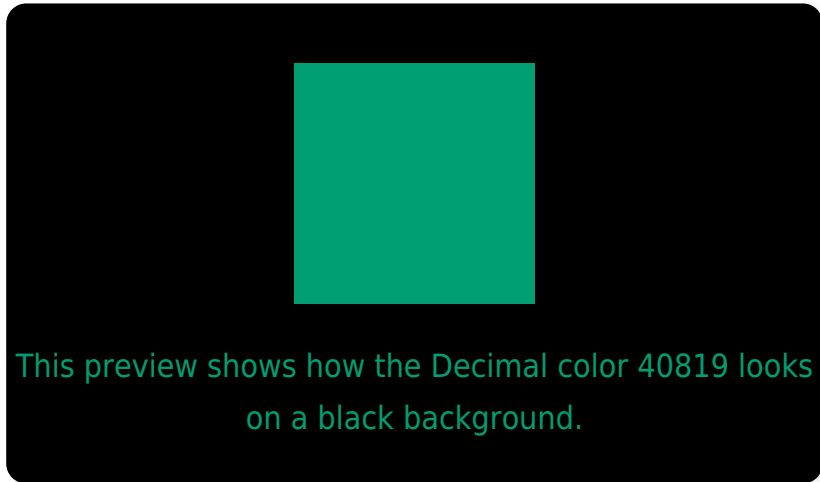
Large Text (above 18pt) WCAG AA ✓ Pass

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

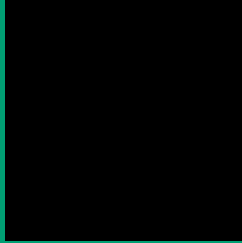
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Decimal 40819 Background



This preview shows how black text looks on a background with the Decimal color 40819.



This preview shows how white text looks on a background with the Decimal color 40819.

# 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



**Original Color**  
40819

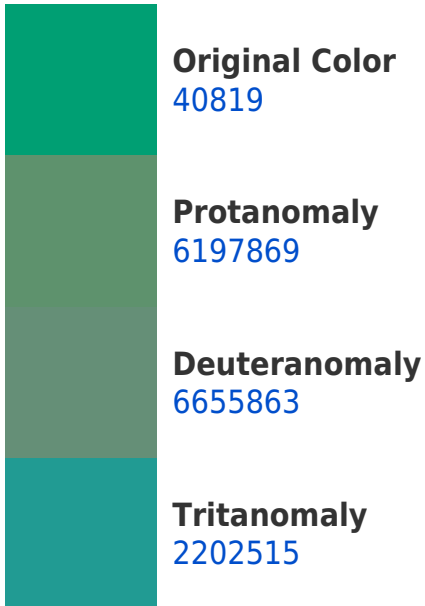
**Protanopia**  
9735017

**Deuteranopia**  
10454649

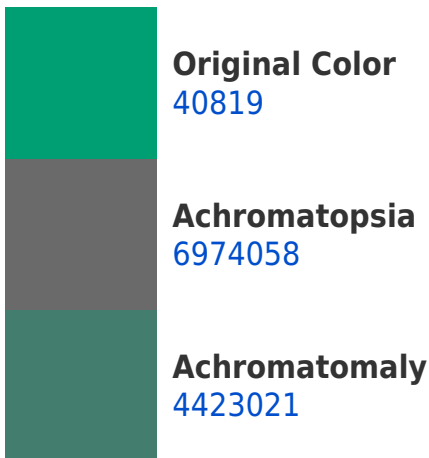


**Tritanopia**  
3447205

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 40819 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 #009F73 looks like.

```
.text, #text, p{  
    color:#009F73  
}
```

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 #009F73 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009F73
}
```

## Border

The CSS property to change the border of an element to Decimal 40819 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
#009F73 }
```

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

```
.border{ border-color:#009F73 }
```

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

Here you see how a box with a 4 pixel #009F73 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009F73; -webkit-box-shadow:4px 4px  
4px 4px #009F73; box-shadow:4px 4px 4px  
4px #009F73 }
```

# Background

The CSS property to change the background color of an element to Decimal 40819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009F73 }
```

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

```
.background{ background-color:#009F73 }
```

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