

# Converting Colors

Hex(1F9749)

Have a look what the booklet for  
Hex(1F9749) contains.

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**Color**

**Hex(1F9749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1F9749
RGB	31, 151, 73
RGB Percent	12%, 59%, 29%
CMY	0.8784, 0.4078, 0.7137
CMYK	0.79, 0.00, 0.52, 0.41
HSL	141°, 66%, 36%
HSV	141°, 79%, 59%
XYZ	12.8343, 22.9056, 10.0481
YIQ	106.2280, -46.4820, -49.6980

# Conversions

## Conversions Part 2

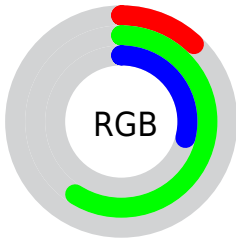
<b>Format</b>	<b>Color</b>
<b>RYB</b>	31, 120, 151
Decimal	2070345
CIELab	54.97, -49.41, 31.99
CIELCh	55, 58.863, 147.079
Yxy	22.9056, 0.2803, 0.5003
Android (android.graphics.Color)	4280260425 (0xFF1F9749)
YUV	106.2280, -16.3814, -65.9750
Hunter-Lab	47.8598, -35.8872, 21.0540




# Details

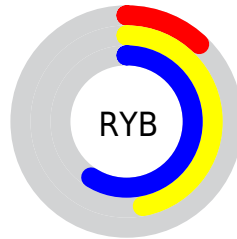
The Hex color **1F9749** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **971F6D**, and the grayscale version is **6A6A6A**.




A 20% lighter version of the original color is **61CE7B**, and **006319** is the 20% darker color. If you saturate the color by 10%, you get **10973F**, and if you desaturate by 10%, it is **2E9753**.

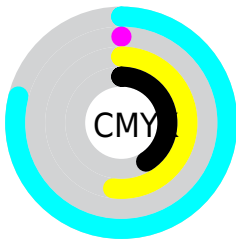
# Distribution







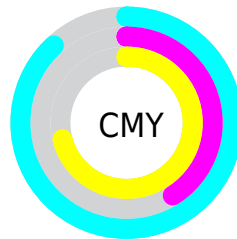
-  Red (12%)
-  Green (59%)
-  Blue (29%)






-  Red (12%)
-  Yellow (47%)
-  Blue (59%)



-  Cyan (79%)
-  Magenta (0%)
-  Yellow (52%)
-  Black (41%)



-  Cyan (88%)
-  Magenta (41%)
-  Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1F9749 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 1F9749 by changing the saturation by 10% instead.



 1F9749

 1F9749

FFFFFF

 007C31

 61CE7B

 006319

 7DEB95

 004A00

 9AFFB0

 003200

 B7FFCC

 001A00

 D4FFE9

 000000

 F2FFFF

 1F9749

 1F9749

 10973F

 2E9753

■ 019735

■ 3D975D

■ 009735

■ 4C9766

■ 5B9770

■ 6A977A

■ 7A9784

■ 89978E

■ 989798

■ A797A1

# Harmonies

## Analogous

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



708E1C



1F9749



009B7D

# Triad

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



1F9749



008BEA



DD5758

# Complementary

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



1F9749



971F6D

# 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.



DB528B



1F9749



7A78DF

# Square

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



1F9749



0096D9



BC61BC



C76B2C

# Rectangle

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



1F9749



009CA0



BC61BC



DF5369



# Sweetspot

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



1F9749



95C4A6



6D971F



476351



E3E3E3



636363



# Same Dimension

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



1F9749



0AC44B



1F9785



454D48



008C31



000D04



# Inverse Universe

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



971F6D



C40A83



971F31



4D454A



8C005B



0D0008



# Previews

## White Background



This preview shows how the Hex color 1F9749 looks on a white background.

## Color Contrast Check

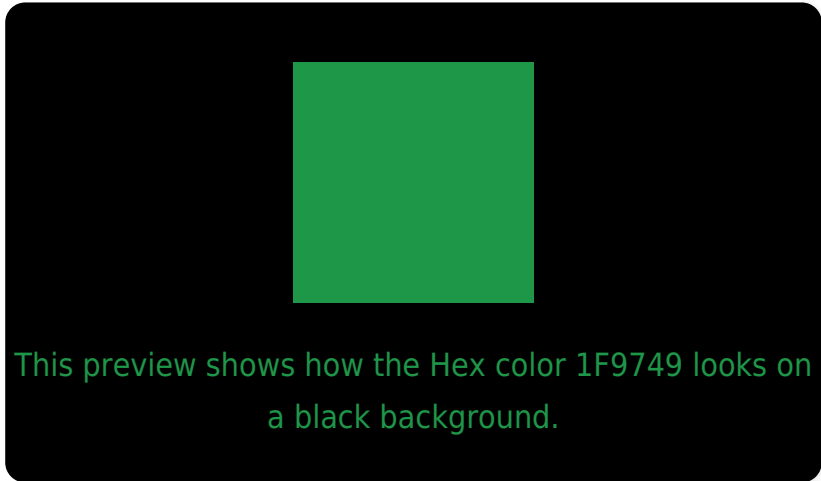
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).



## Hex 1F9749 Background



This preview shows how black text looks on a background with the Hex color 1F9749.

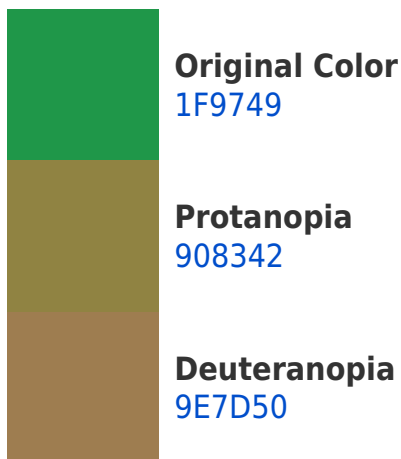


This preview shows how white text looks on a background with the Hex color 1F9749.

# 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](#).

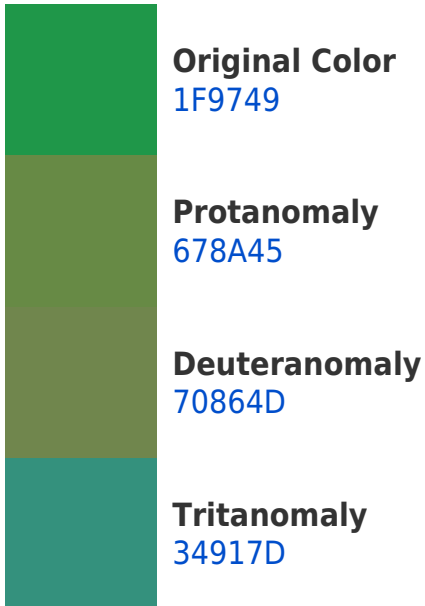
## Dichromacy



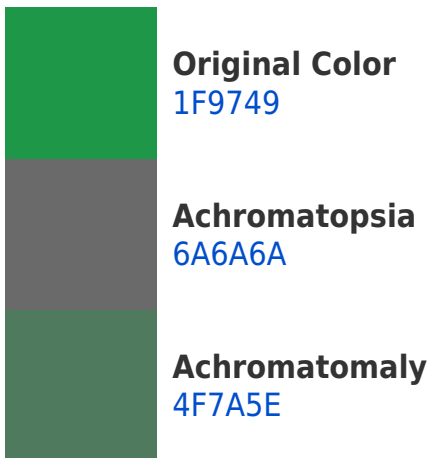


**Tritanopia**  
408E9A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1F9749 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 #1F9749 looks like.

```
.text, #text, p{  
    color:#1F9749  
}
```

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 #1F9749 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1F9749
}
```

## Border

The CSS property to change the border of an element to Hex 1F9749 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
#1F9749 }
```

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

```
.border{ border-color:#1F9749 }
```

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

Here you see how a box with a 4 pixel #1F9749 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1F9749; -webkit-box-shadow:4px 4px  
4px 4px #1F9749; box-shadow:4px 4px 4px  
4px #1F9749 }
```

# Background

The CSS property to change the background color of an element to Hex 1F9749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1F9749 }
```

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

```
.background{ background-color:#1F9749 }
```

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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