

# Converting Colors

Hex(16A84F)

Have a look what the booklet for  
Hex(16A84F) contains.

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# Color

**Hex(16A84F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16A84F
RGB	22, 168, 79
RGB Percent	9%, 66%, 31%
CMY	0.9137, 0.3412, 0.6902
CMYK	0.87, 0.00, 0.53, 0.34
HSL	143°, 77%, 37%
HSV	143°, 87%, 66%
XYZ	15.7448, 28.7403, 12.1147
YIQ	114.2000, -58.4470, -58.6310

# Conversions

## Conversions Part 2

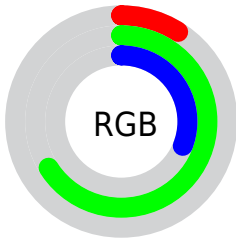
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 127, 168
Decimal	1484879
CIE <sub>Lab</sub>	60.55, -55.36, 35.79
CIE <sub>LCh</sub>	61, 65.925, 147.118
Yxy	28.7403, 0.2782, 0.5078
Android (android.graphics.Color)	4279674959 (0xFF16A84F)
YUV	114.2000, -17.3536, -80.8594
Hunter-Lab	53.6100, -41.3937, 24.1287

# Details

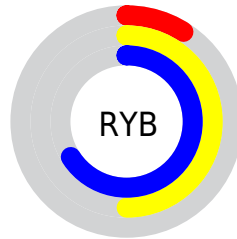
The Hex color **16A84F** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A8166F**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **61E082**, and **00721E** is the 20% darker color. If you saturate the color by 10%, you get **05A845**, and if you desaturate by 10%, it is **27A859**.

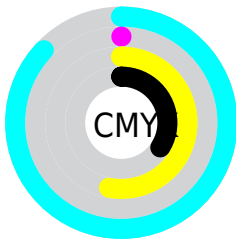
# Distribution



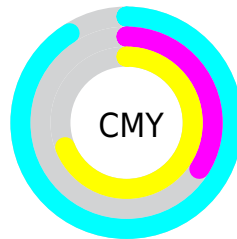
- Red (9%)
- Green (66%)
- Blue (31%)



- Red (9%)
- Yellow (50%)
- Blue (66%)



- Cyan (87%)
- Magenta (0%)
- Yellow (53%)
- Black (34%)



- Cyan (91%)
- Magenta (34%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16A84F 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 16A84F by changing the saturation by 10% instead.



 16A84F

 16A84F

FFFFFF

 008D36

 61E082

 00721E

 7FFD9D

 005903

 9DFFB8

 004000

 BAFFD4

 002900

 D8FFF1

 000400

 F6FFFF

 000000

 16A84F

 16A84F

 05A845

 27A859

 00A842

 38A863

 48A86E

 59A878

 6AA882

 7BA88C

 8CA897

 9CA8A1

 ADA8AB

# Harmonies

## Analogous

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



7A9E19



16A84F



00AD8A

# Triad

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



16A84F



009BFF



F75E61

# Complementary

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



16A84F



A8166F

# 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.



F6579A



16A84F



8685FA

# Square

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



16A84F



00A7F3



D26AD2



DE762E

# Rectangle

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



16A84F



00ADB3



D26AD2



FA5973



# Sweetspot

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



16A84F



A2DBB9



70A816



4C6E59



EDEDED



6E6E6E



# Same Dimension

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



16A84F



00DB56



16A897



4C544F



00943A



001408



# Inverse Universe

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



A8166F



DB0086



A81627



544C51



94005A



14000C



# Previews

## White Background



This preview shows how the Hex color 16A84F looks on a white background.

## Color Contrast Check

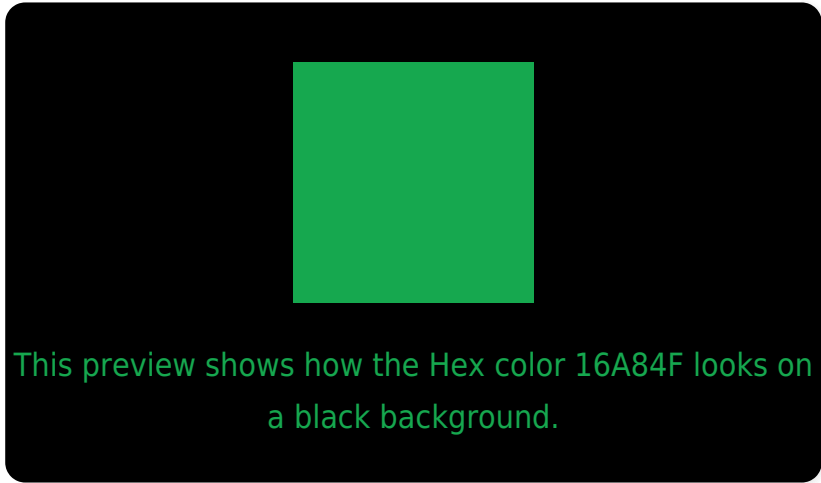
Large Text (above 18pt) WCAG AA ✓ Pass

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

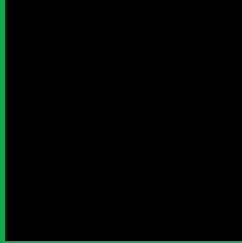
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 16A84F Background



This preview shows how black text looks on a background with the Hex color 16A84F.

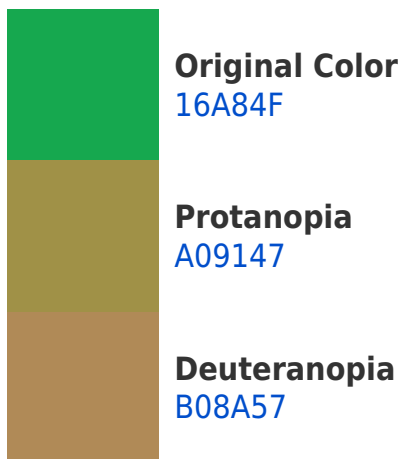


This preview shows how white text looks on a background with the Hex color 16A84F.

# 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**  
449EAB

# Trichromacy



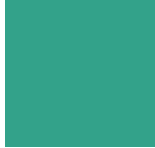
**Original Color**  
16A84F



**Protanomaly**  
6E994A



**Deuteranomaly**  
789554



**Tritanomaly**  
33A28A

# Monochromacy



**Original Color**  
16A84F



**Achromatopsia**  
727272



**Achromatomaly**  
518665

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16A84F 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 #16A84F looks like.

```
.text, #text, p{  
    color:#16A84F  
}
```

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 #16A84F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16A84F
}
```

## Border

The CSS property to change the border of an element to Hex 16A84F 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
#16A84F }
```

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

```
.border{ border-color:#16A84F }
```

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

Here you see how a box with a 4 pixel #16A84F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16A84F; -webkit-box-shadow:4px 4px  
4px 4px #16A84F; box-shadow:4px 4px 4px  
4px #16A84F }
```

# Background

The CSS property to change the background color of an element to Hex 16A84F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16A84F }
```

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

```
.background{ background-color:#16A84F }
```

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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