

# Converting Colors

Hex(18B74F)

Have a look what the booklet for  
Hex(18B74F) contains.

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# Color

Hex(18B74F)

# Conversions

## Conversions Part 1

Format	Color
Hex	18B74F
RGB	24, 183, 79
RGB Percent	9%, 72%, 31%
CMY	0.9059, 0.2824, 0.6902
CMYK	0.87, 0.00, 0.57, 0.28
HSL	141°, 77%, 41%
HSV	141°, 87%, 72%
XYZ	18.7215, 34.6257, 13.0938
YIQ	123.6030, -61.3800, -66.0520

# Conversions

## Conversions Part 2

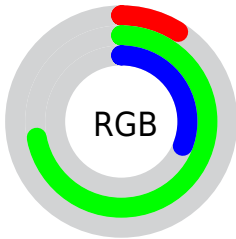
<b>Format</b>	<b>Color</b>
<b>RYB</b>	24, 142, 183
Decimal	1619791
CIELab	65.46, -60.19, 41.72
CIELCh	65, 73.234, 145.269
Yxy	34.6257, 0.2818, 0.5211
Android (android.graphics.Color)	4279809871 (0xFF18B74F)
YUV	123.6030, -21.9893, -87.3518
Hunter-Lab	58.8436, -46.1854, 27.9973

# Details

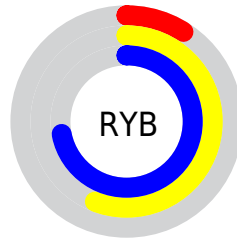
The Hex color **18B74F** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B71880**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **66F083**, and **00801C** is the 20% darker color. If you saturate the color by 10%, you get **06B743**, and if you desaturate by 10%, it is **2AB75B**.

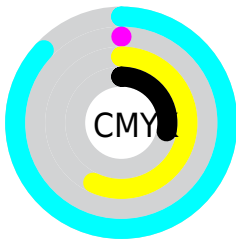
# Distribution



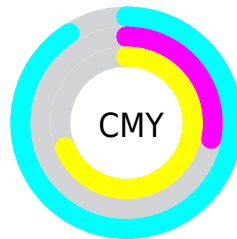
- Red (9%)
- Green (72%)
- Blue (31%)



- Red (9%)
- Yellow (56%)
- Blue (72%)



- Cyan (87%)
- Magenta (0%)
- Yellow (57%)
- Black (28%)



- Cyan (91%)
- Magenta (28%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 18B74F 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 18B74F by changing the saturation by 10% instead.



 18B74F

 18B74F

FFFFFF

 009B36

 66F083

 00801C

 85FF9E

 006600

 A3FFB9

 004D00

 C1FFD5

 003500

 DFFFF2

 001C00

FEFFFF

 000000

 18B74F

 18B74F

 06B743

 2AB75B

 00B73F

 3DB767

 4FB773

 61B77F

 74B78B

 86B797

 98B7A3

 AAB7AF

 BDB7BB

# Harmonies

## Analogous

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



88AC07



18B74F



00BC92

# Triad

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



18B74F



00AAFF



FF626B

# Complementary

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



18B74F



B71880

# 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.



FF5BAC



18B74F



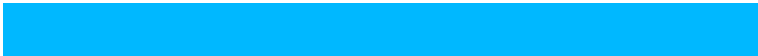
8892FF

# Square

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



18B74F



00B8FF



E373EB



F77D30

# Rectangle

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



18B74F



00BDC0



E373EB



FF5C80



# Sweetspot

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



18B74F



AFEDC5



82B718



537860



F7F7F7



787878



# Same Dimension

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



18B74F



00ED52



18B79C



535C56



009C36



001C0A



# Inverse Universe

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



B71880



ED009B



B71833



5C5359



9C0066



1C0012



# Previews

## White Background



This preview shows how the Hex color 18B74F looks on a white background.

## Color Contrast Check

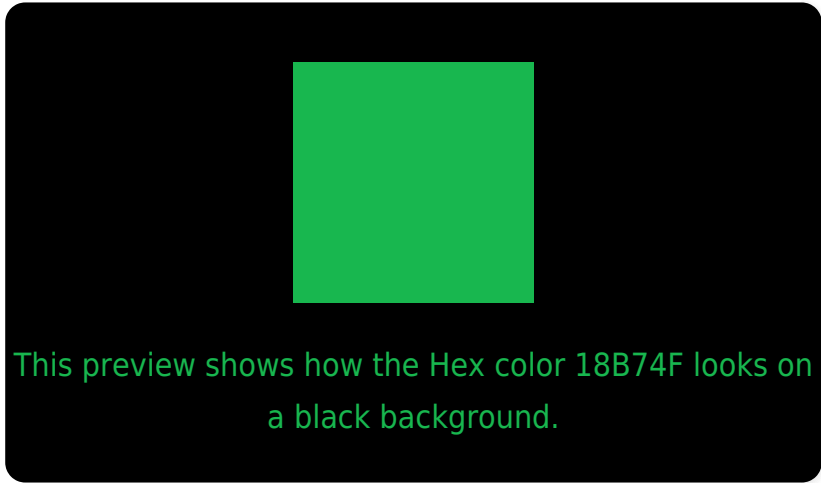
Large Text (above 18pt) WCAG AA × Fail

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

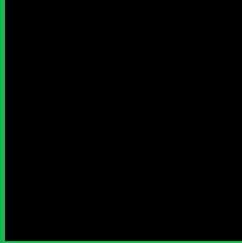
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 18B74F Background



This preview shows how black text looks on a background with the Hex color 18B74F.

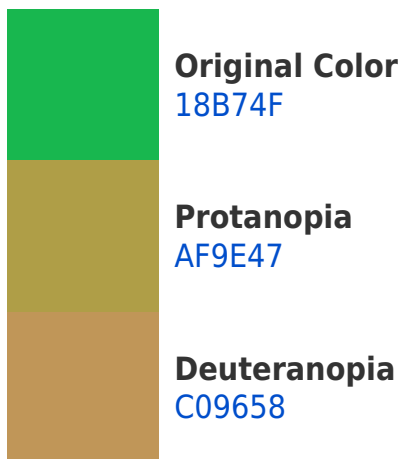


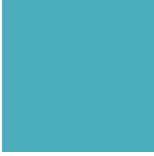
This preview shows how white text looks on a background with the Hex color 18B74F.

# 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





# Trichromacy



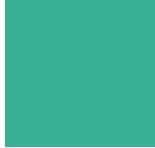
**Original Color**  
18B74F



**Protanomaly**  
78A74A



**Deuteranomaly**  
83A255



**Tritanomaly**  
38B093

# Monochromacy



**Original Color**  
18B74F



**Achromatopsia**  
7C7C7C



**Achromatomaly**  
58916C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 18B74F 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 #18B74F looks like.

```
.text, #text, p{  
    color:#18B74F  
}
```

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 #18B74F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #18B74F
}
```

## Border

The CSS property to change the border of an element to Hex 18B74F 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
#18B74F }
```

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

```
.border{ border-color:#18B74F }
```

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

Here you see how a box with a 4 pixel #18B74F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #18B74F; -webkit-box-shadow:4px 4px  
4px 4px #18B74F; box-shadow:4px 4px 4px  
4px #18B74F }
```

# Background

The CSS property to change the background color of an element to Hex 18B74F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#18B74F }
```

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

```
.background{ background-color:#18B74F }
```

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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