

# Converting Colors

Hex(1B770F)

Have a look what the booklet for  
Hex(1B770F) contains.

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# Color

**Hex(1B770F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B770F
RGB	27, 119, 15
RGB Percent	11%, 47%, 6%
CMY	0.8941, 0.5333, 0.9412
CMYK	0.77, 0.00, 0.87, 0.53
HSL	113°, 78%, 26%
HSV	113°, 87%, 47%
XYZ	7.1350, 13.4612, 2.6741
YIQ	79.6360, -21.4480, -51.8480

# Conversions

## Conversions Part 2

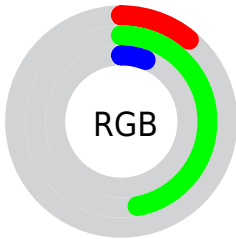
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 119, 107
Decimal	1799951
CIELab	43.45, -45.33, 44.36
CIELCh	43, 63.426, 135.615
Yxy	13.4612, 0.3066, 0.5785
Android (android.graphics.Color)	4279990031 (0xFF1B770F)
YUV	79.6360, -31.8655, -46.1618
Hunter-Lab	36.6894, -29.4934, 21.3612

# Details

The Hex color **1B770F** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6B0F77**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **58AC45**, and **004500** is the 20% darker color. If you saturate the color by 10%, you get **107703**, and if you desaturate by 10%, it is **26771B**.

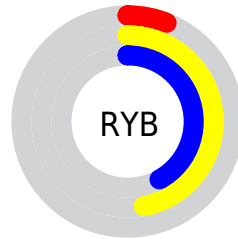
# Distribution



Red (11%)

Green (47%)

Blue (6%)



Red (6%)

Yellow (47%)

Blue (42%)

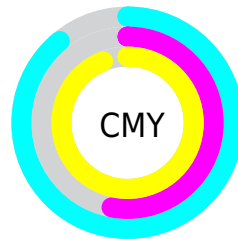


Cyan (77%)

Magenta (0%)

Yellow (87%)

Black (53%)



Cyan (89%)

Magenta (53%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B770F 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 1B770F by changing the saturation by 10% instead.



 1B770F

 1B770F

FFFFFF

 005E00

 58AC45

 004500

 74C85F

 002E00

 90E479

 001400

 ADFF94

 000000

 C9FFAF

 E7FFCB

 FFFFE7

 1B770F

 1B770F

■ 107703

■ 26771B

■ 0E7700

■ 307727

■ 3B7733

■ 45773F

■ 50774A

■ 5A7756

■ 657762

■ 6F776E

■ 7A777A

# Harmonies

## Analogous

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



636D00



1B770F



007C4B

# Triad

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



1B770F



0074CD



C2274E

# Complementary

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



1B770F



6B0F77

# 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.



B72C82



1B770F



0064CD

# Square

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



1B770F



007CB1



8A4AB1



B3411B

# Rectangle

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



1B770F



007D6F



8A4AB1



C1245F



# Sweetspot

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



1B770F



789C73



776B0F



394F37



CFCFCF



4F4F4F



# Same Dimension

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



1B770F



129C00



0F7737



353B35



0E7A00



1DFA00



# Inverse Universe

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



6B0F77



8A009C



770F4F



3A353B



6C007A

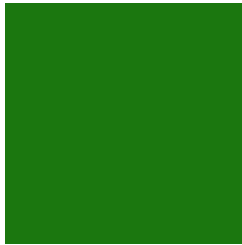


DD00FA



# Previews

## White Background



This preview shows how the Hex color 1B770F looks on a white background.

## Color Contrast Check

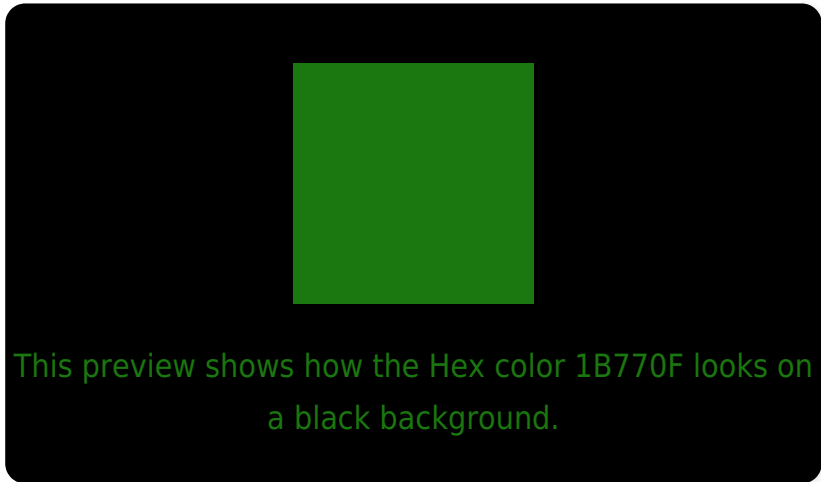
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

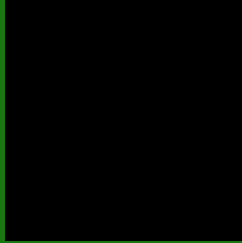
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B770F Background



This preview shows how black text looks on a background with the Hex color 1B770F.



This preview shows how white text looks on a background with the Hex color 1B770F.

# 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**  
1B770F

**Protanopia**  
736609

**Deuteranopia**  
80611D



**Tritanopia**  
376F78

# Trichromacy



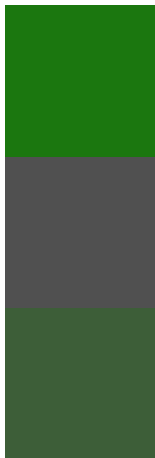
**Original Color**  
1B770F

**Protanomaly**  
536C0B

**Deuteranomaly**  
5B6918

**Tritanomaly**  
2D7252

# Monochromacy



**Original Color**  
1B770F

**Achromatopsia**  
505050

**Achromatomaly**  
3D5E38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B770F 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 #1B770F looks like.

```
.text, #text, p{  
    color:#1B770F  
}
```

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 #1B770F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B770F
}
```

## Border

The CSS property to change the border of an element to Hex 1B770F is called "border". The border property can be set on classes, ids or directly on the HTML element.

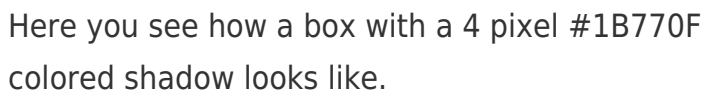
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B770F }
```

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

```
.border{ border-color:#1B770F }
```

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



Here you see how a box with a 4 pixel #1B770F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B770F; -webkit-box-shadow:4px 4px  
4px 4px #1B770F; box-shadow:4px 4px 4px  
4px #1B770F }
```

# Background

The CSS property to change the background color of an element to Hex 1B770F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B770F }
```

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

```
.background{ background-color:#1B770F }
```

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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