

# Converting Colors

Hex(1B780F)

Have a look what the booklet for  
Hex(1B780F) contains.

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# Color

Hex(1B780F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1B780F
RGB	27, 120, 15
RGB Percent	11%, 47%, 6%
CMY	0.8941, 0.5294, 0.9412
CMYK	0.78, 0.00, 0.88, 0.53
HSL	113°, 78%, 26%
HSV	113°, 88%, 47%
XYZ	7.2547, 13.7004, 2.7140
YIQ	80.2230, -21.7230, -52.3710

# Conversions

## Conversions Part 2

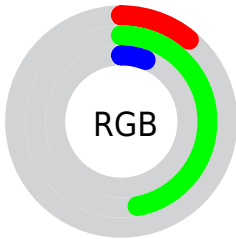
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 120, 108
Decimal	1800207
CIELab	43.80, -45.66, 44.68
CIELCh	44, 63.888, 135.624
Yxy	13.7004, 0.3065, 0.5788
Android (android.graphics.Color)	4279990287 (0xFF1B780F)
YUV	80.2230, -32.1549, -46.6766
Hunter-Lab	37.0141, -29.7891, 21.5625

# Details

The Hex color **1B780F** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6C0F78**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **59AD45**, and **004600** is the 20% darker color. If you saturate the color by 10%, you get **107803**, and if you desaturate by 10%, it is **26781B**.

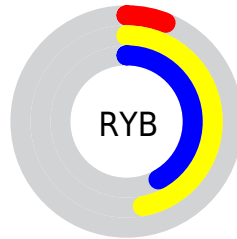
# Distribution



 Red (11%)

 Green (47%)

 Blue (6%)




 Red (6%)

 Yellow (47%)

 Blue (42%)

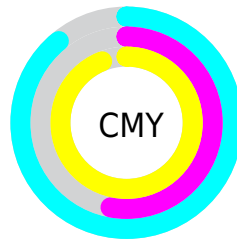



 Cyan (78%)


 Magenta (0%)

 Yellow (88%)

 Black (53%)



 Cyan (89%)

 Magenta (53%)

 Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B780F 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 1B780F by changing the saturation by 10% instead.



 1B780F

 1B780F

FFFFFF

 005F00

 59AD45

 004600

 75C95F

 002F00

 91E679

 001600

 ADFF94

 000000

 CAFFAF

 E7FFCB

 FFFFE8

 1B780F

 1B780F

■ 107803

■ 26781B

■ 0E7800

■ 307827

■ 3B7833

■ 46783F

■ 50784B

■ 5B7857

■ 657863

■ 70786F

■ 7B787B

# Harmonies

## Analogous

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



646E00



1B780F



007D4B

# Triad

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



1B780F



0075CF



C3284E

# Complementary

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



1B780F



6C0F78

# 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.



B82D83



1B780F



0065CF

# Square

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



1B780F



007DB3



8B4BB3



B4421B

# Rectangle

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



1B780F



007F70



8B4BB3



C32460



# Sweetspot

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



1B780F



789C73



786C0F



394F37



CFCFCF



4F4F4F



# Same Dimension

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



1B780F



129C00



0F7837



383D37



0E7D00



1DFC00



# Inverse Universe

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



6C0F78



8A009C



780F50



3D373D



6F007D

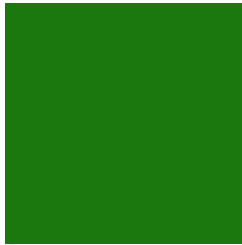


E000FC



# Previews

## White Background



This preview shows how the Hex color 1B780F looks on a white background.

## Color Contrast Check

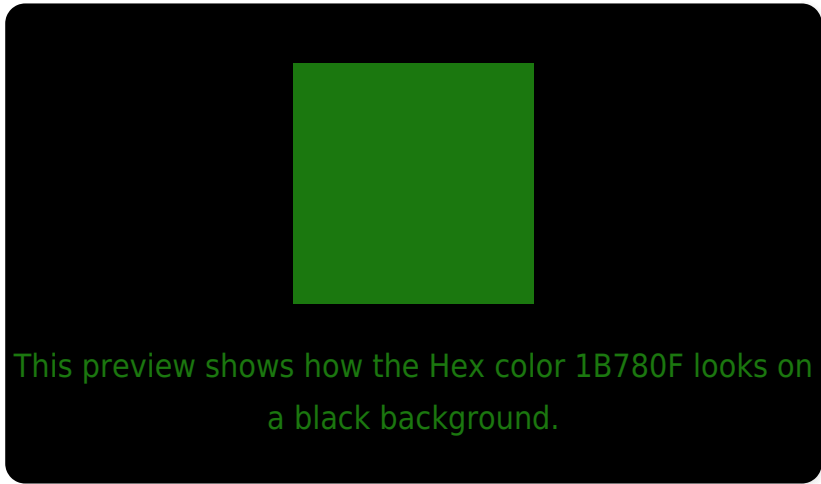
Large Text (above 18pt) WCAG AA ✓ Pass

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 1B780F Background



This preview shows how black text looks on a background with the Hex color 1B780F.



This preview shows how white text looks on a background with the Hex color 1B780F.

# 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**  
1B780F

**Protanopia**  
746709

**Deuteranopia**  
81621D



**Tritanopia**  
387079

# Trichromacy



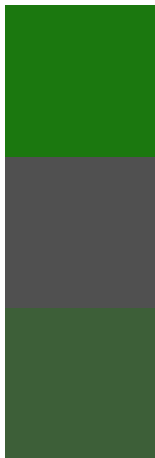
**Original Color**  
1B780F

**Protanomaly**  
546D0B

**Deuteranomaly**  
5C6A18

**Tritanomaly**  
2D7352

# Monochromacy



**Original Color**  
1B780F

**Achromatopsia**  
505050

**Achromatomaly**  
3D5F38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B780F 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 #1B780F looks like.

```
.text, #text, p{  
    color:#1B780F  
}
```

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 #1B780F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B780F
}
```

## Border

The CSS property to change the border of an element to Hex 1B780F is called "border". The border property can be set on classes, ids or directly on the HTML element.

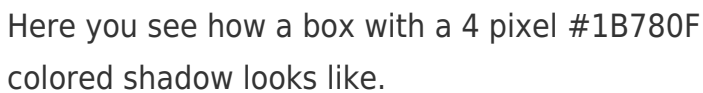
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B780F }
```

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

```
.border{ border-color:#1B780F }
```

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



Here you see how a box with a 4 pixel #1B780F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B780F; -webkit-box-shadow:4px 4px  
4px 4px #1B780F; box-shadow:4px 4px 4px  
4px #1B780F }
```

# Background

The CSS property to change the background color of an element to Hex 1B780F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B780F }
```

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

```
.background{ background-color:#1B780F }
```

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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