

Converting Colors

Hex(1B7A4A)

Have a look what the booklet for
Hex(1B7A4A) contains.

Hex(1B7A4A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1B7A4A)

Conversions

Conversions Part 1

Format	Color
Hex	1B7A4A
RGB	27, 122, 74
RGB Percent	11%, 48%, 29%
CMY	0.8941, 0.5216, 0.7098
CMYK	0.78, 0.00, 0.39, 0.52
HSL	150°, 64%, 29%
HSV	150°, 78%, 48%
XYZ	8.6476, 14.6465, 8.8498
YIQ	88.1230, -41.2120, -35.0680

Conversions

Conversions Part 2

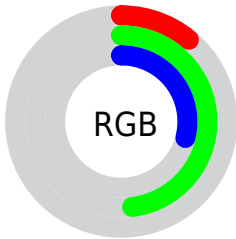
Format	Color
R_{YB}	27, 91, 122
Decimal	1800778
CIE _{Lab}	45.15, -38.68, 18.79
CIE _{LCh}	45, 43.002, 154.089
Yxy	14.6465, 0.2690, 0.4557
Android (android.graphics.Color)	4279990858 (0xFF1B7A4A)
YUV	88.1230, -6.9626, -53.6049
Hunter-Lab	38.2707, -26.6404, 13.0791

Details

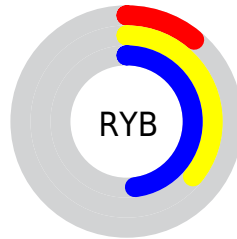
The Hex color **1B7A4A** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7A1B4B**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **57AF7B**, and **00481D** is the 20% darker color. If you saturate the color by 10%, you get **0F7A44**, and if you desaturate by 10%, it is **277A50**.

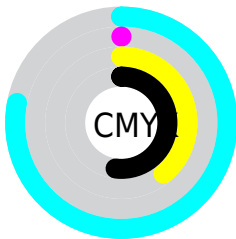
Distribution



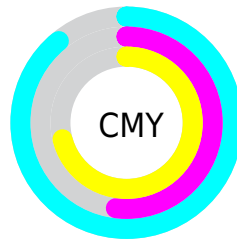
- Red (11%)
- Green (48%)
- Blue (29%)



- Red (11%)
- Yellow (36%)
- Blue (48%)



- Cyan (78%)
- Magenta (0%)
- Yellow (39%)
- Black (52%)



- Cyan (89%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B7A4A 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 1B7A4A by changing the saturation by 10% instead.

 1B7A4A

 1B7A4A

FFFFFF

 006133

 57AF7B

 00481D

 72CB95

 003106

 8EE7B0

 001B00

 AAFFCB

 000000

 C7FFE8

 E4FFFF

 1B7A4A

 1B7A4A

 0F7A44

 277A50

■ 037A3E

■ 337A56

■ 007A3C

■ 407A5C

■ 4C7A63

■ 587A69

■ 647A6F

■ 707A75

■ 7D7A7B

■ 897A81

Harmonies

Analogous

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



55742C



1B7A4A



007C6F

Triad

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



1B7A4A



276DB2



A95045

Complementary

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



1B7A4A



7A1B4B

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.



AC4A67



1B7A4A



735FA6

Square

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



1B7A4A



0077AB



9A518B



975D29

Rectangle

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



1B7A4A



007C87



9A518B



AC4D50

Sweetspot

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



1B7A4A



7A9E8C



4C7A1B



394F44



CFCFCF



4F4F4F

Same Dimension

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



1B7A4A



0B9E54



1B7A78



373D3A



007D3E



00FC7D

Inverse Universe

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



7A1B4B



9E0B55



7A1B1D



3D373A



7D003F



FC0080

Previews

White Background



This preview shows how the Hex color 1B7A4A looks on a white background.

Color Contrast Check

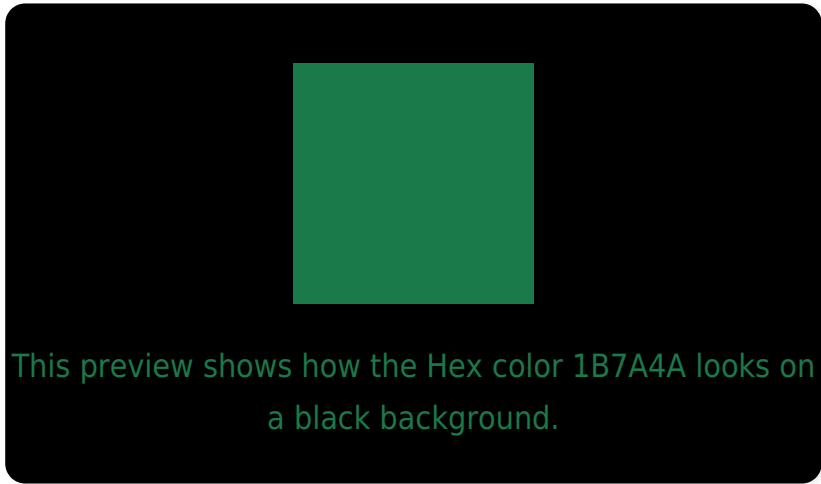
Large Text (above 18pt) WCAG AA ✓ Pass

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

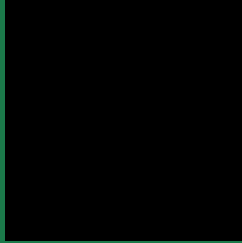
Any Text WCAG AA × Fail

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 1B7A4A Background



This preview shows how black text looks on a background with the Hex color 1B7A4A.



This preview shows how white text looks on a background with the Hex color 1B7A4A.

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
1B7A4A

Protanopia
746A44

Deuteranopia
7E664F



Tritanopia
32747D

Trichromacy



Original Color

1B7A4A



Protanomaly

547046



Deuteranomaly

5A6D4D



Tritanomaly

2A766A

Monochromacy



Original Color

1B7A4A



Achromatopsia

585858



Achromatomaly

426453

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B7A4A 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 #1B7A4A looks like.

```
.text, #text, p{  
    color:#1B7A4A  
}
```

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 #1B7A4A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B7A4A
}
```

Border

The CSS property to change the border of an element to Hex 1B7A4A 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
#1B7A4A }
```

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

```
.border{ border-color:#1B7A4A }
```

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

Here you see how a box with a 4 pixel #1B7A4A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B7A4A; -webkit-box-shadow:4px 4px  
4px 4px #1B7A4A; box-shadow:4px 4px 4px  
4px #1B7A4A }
```

Background

The CSS property to change the background color of an element to Hex 1B7A4A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B7A4A }
```

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

```
.background{ background-color:#1B7A4A }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor