

Converting Colors

Hex(1B7702)

Have a look what the booklet for
Hex(1B7702) contains.

Hex(1B7702)	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(1B7702)

Conversions

Conversions Part 1

Format	Color
Hex	1B7702
RGB	27, 119, 2
RGB Percent	11%, 47%, 1%
CMY	0.8941, 0.5333, 0.9922
CMYK	0.77, 0.00, 0.98, 0.53
HSL	107°, 97%, 24%
HSV	107°, 98%, 47%
XYZ	7.0598, 13.4310, 2.2778
YIQ	78.1540, -17.2750, -55.8910

Conversions

Conversions Part 2

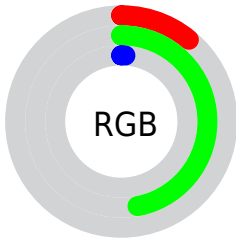
Format	Color
R_YB	2, 119, 94
Decimal	1799938
CIE Lab	43.41, -45.88, 47.32
CIE LCh	43, 65.908, 134.118
Yxy	13.4310, 0.3101, 0.5899
Android (android.graphics.Color)	4279990018 (0xFF1B7702)
YUV	78.1540, -37.5439, -44.8621
Hunter-Lab	36.6484, -29.7493, 21.9688

Details

The Hex color **1B7702** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5E0277**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **59AC3F**, and **004500** is the 20% darker color. If you saturate the color by 10%, you get **197700**, and if you desaturate by 10%, it is **24770E**.

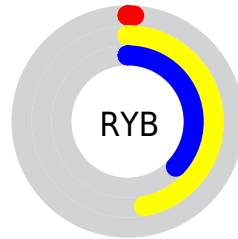
Distribution



Red (11%)

Green (47%)

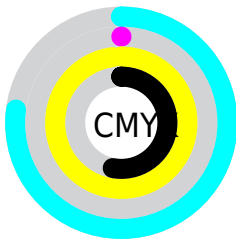
Blue (1%)



Red (1%)

Yellow (47%)

Blue (37%)

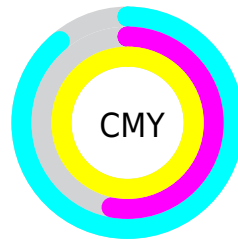


Cyan (77%)

Magenta (0%)

Yellow (98%)

Black (53%)



Cyan (89%)

Magenta (53%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B7702 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 1B7702 by changing the saturation by 10% instead.

 1B7702

 1B7702

FFFFFFE


 005E00

 59AC3F

 004500

 75C858

 002E00

 91E473

 001400

 ADFF8D

 000000

 CAFFA9

 E7FFC5

 FFFFE1

 1B7702

 1B7702

■ 197700

■ 24770E

■ 2E771A

■ 377726

■ 407732

■ 4A773D

■ 537749

■ 5D7755

■ 667761

■ 6F776D

Harmonies

Analogous

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



656C00



1B7702



007C46

Triad

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



1B7702



0075D1



C5204F

Complementary

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



1B7702



5E0277

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.



B82886



1B7702



0065D2

Square

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



1B7702



007DB2



874AB6



B63D1A

Rectangle

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



1B7702



007E6D



874AB6



C41C62

Sweetspot

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



1B7702



789C6E



775E02



394F33



CFCFCF



4F4F4F

Same Dimension

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



1B7702



219C00



027723



363B35



1A7A00



35FA00

Inverse Universe

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



5E0277



7A009C



770256



39353B



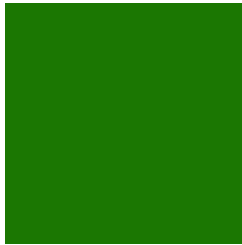
60007A



C500FA

Previews

White Background



This preview shows how the Hex color 1B7702 looks on a white background.

Color Contrast Check

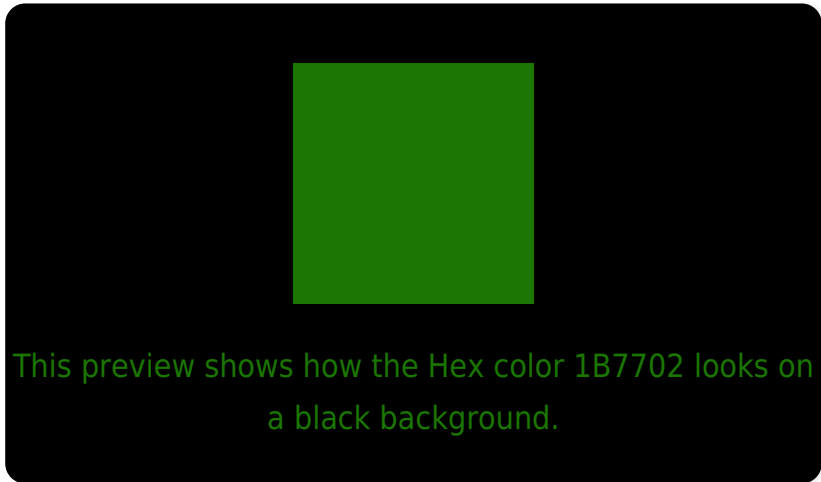
Large Text (above 18pt) WCAG AA ✓ Pass

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

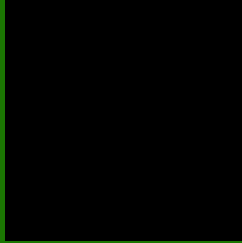
Any Text WCAG AA × Fail

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 1B7702 Background



This preview shows how black text looks on a background with the Hex color 1B7702.



This preview shows how white text looks on a background with the Hex color 1B7702.

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
1B7702

Protanopia
736600

Deuteranopia
80611A



Tritanopia
376F78

Trichromacy



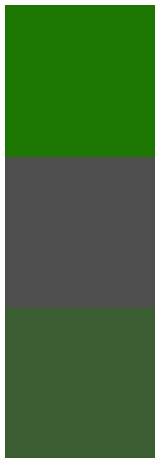
Original Color
1B7702

Protanomaly
536C01

Deuteranomaly
5B6911

Tritanomaly
2D724D

Monochromacy



Original Color
1B7702

Achromatopsia
4E4E4E

Achromatomaly
3B5D32

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B7702 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 #1B7702 looks like.

```
.text, #text, p{  
    color:#1B7702  
}
```

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 #1B7702 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B7702
}
```

Border

The CSS property to change the border of an element to Hex 1B7702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

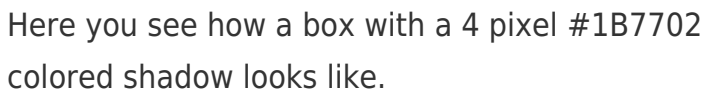
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B7702 }
```

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

```
.border{ border-color:#1B7702 }
```

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



Here you see how a box with a 4 pixel #1B7702 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B7702; -webkit-box-shadow:4px 4px  
4px 4px #1B7702; box-shadow:4px 4px 4px  
4px #1B7702 }
```

Background

The CSS property to change the background color of an element to Hex 1B7702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B7702 }
```

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

```
.background{ background-color:#1B7702 }
```

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