

# Converting Colors

Hex(1E7800)

Have a look what the booklet for  
Hex(1E7800) contains.

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**Color**

**Hex(1E7800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E7800
RGB	30, 120, 0
RGB Percent	12%, 47%, 0%
CMY	0.8824, 0.5294, 1.0000
CMYK	0.75, 0.00, 1.00, 0.53
HSL	105°, 100%, 24%
HSV	105°, 100%, 47%
XYZ	7.2519, 13.7090, 2.2639
YIQ	79.4100, -15.1200, -56.4000

# Conversions

## Conversions Part 2

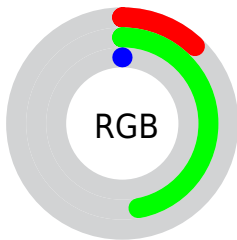
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 120, 90
Decimal	1996800
CIELab	43.81, -45.75, 48.13
CIELCh	44, 66.401, 133.545
Yxy	13.7090, 0.3122, 0.5903
Android (android.graphics.Color)	4280186880 (0xFF1E7800)
YUV	79.4100, -39.1491, -43.3326
Hunter-Lab	37.0256, -29.8336, 22.2927

# Details

The Hex color **1E7800** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5A0078**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **5BAD3E**, and **004600** is the 20% darker color. If you saturate the color by 10%, you get **1E7800**, and if you desaturate by 10%, it is **27780C**.

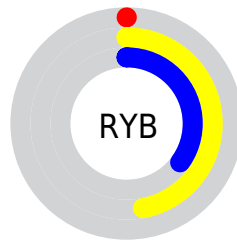
# Distribution



Red (12%)

Green (47%)

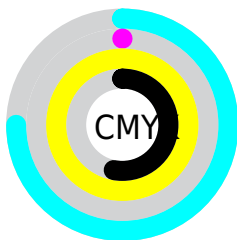
Blue (0%)



Red (0%)

Yellow (47%)

Blue (35%)

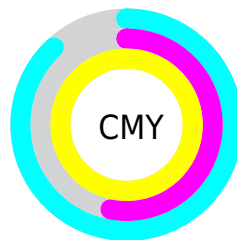


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (88%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E7800 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 1E7800 by changing the saturation by 10% instead.



 1E7800

 1E7800

FFFFFFE

 005F00

 5BAD3E

 004600

 77C958

 002F00

 93E572

 001600

 AFFF8D

 000000

 CCFFA8

 EAFFC4

 FFFFEO

 1E7800

 27780C

 307818

 397824

 427830

 4B783C

 547848

 5D7854

 667860

 6F786C

# Harmonies

## Analogous

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



676D00



1E7800



007D46

# Triad

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



1E7800



0076D2



C72051

# Complementary

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



1E7800



5A0078

# 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.



B92988



1E7800



0066D4

# Square

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



1E7800



007EB3



874BB8



B83D1C

# Rectangle

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



1E7800



007F6D



874BB8



C61C64



# Sweetspot

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



1E7800



799C6D



785A00



3A4F33



CFCFCF



4F4F4F



# Same Dimension

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



1E7800



279C00



00781E



393D37



1F7D00



3FFC00



# Inverse Universe

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



5A0078



75009C



78005A



3C373D



5E007D

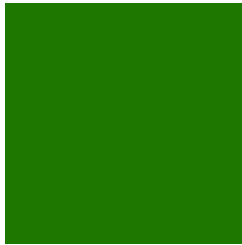


BD00FC



# Previews

## White Background



This preview shows how the Hex color 1E7800 looks on a white background.

## Color Contrast Check

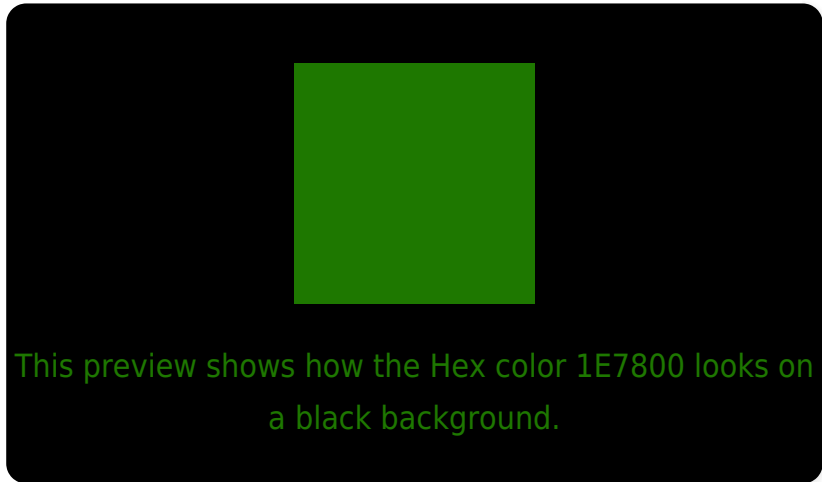
Large Text (above 18pt) WCAG AA ✓ Pass

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

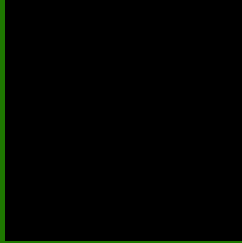
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E7800 Background



This preview shows how black text looks on a background with the Hex color 1E7800.

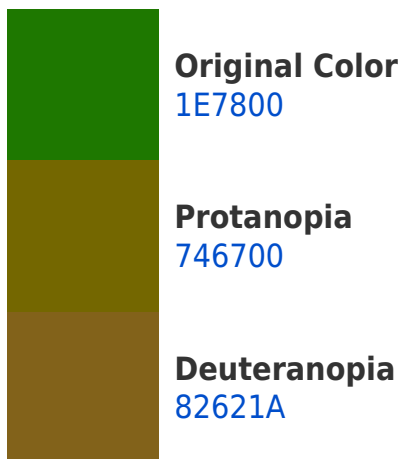


This preview shows how white text looks on a background with the Hex color 1E7800.

# 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





**Tritanopia**  
397079

# Trichromacy



**Original Color**  
1E7800

**Protanomaly**  
556D00

**Deuteranomaly**  
5E6A11

**Tritanomaly**  
2F734D

# Monochromacy



**Original Color**  
1E7800

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
3D5E32

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E7800 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 #1E7800 looks like.

```
.text, #text, p{  
    color:#1E7800  
}
```

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 #1E7800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E7800
}
```

## Border

The CSS property to change the border of an element to Hex 1E7800 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".

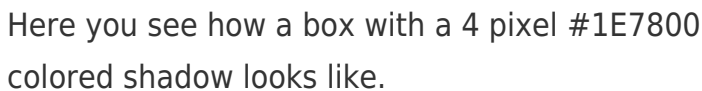
```
.border, #border, table{ border:4px solid
#1E7800 }
```

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

```
.border{ border-color:#1E7800 }
```

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

Here you see how a box with a 4 pixel #1E7800 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E7800; -webkit-box-shadow:4px 4px  
4px 4px #1E7800; box-shadow:4px 4px 4px  
4px #1E7800 }
```

# Background

The CSS property to change the background color of an element to Hex 1E7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E7800 }
```

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

```
.background{ background-color:#1E7800 }
```

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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