

# Converting Colors

Hex(247A00)

Have a look what the booklet for  
Hex(247A00) contains.

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**Color**

**Hex(247A00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	247A00
RGB	36, 122, 0
RGB Percent	14%, 48%, 0%
CMY	0.8588, 0.5216, 1.0000
CMYK	0.70, 0.00, 1.00, 0.52
HSL	102°, 100%, 24%
HSV	102°, 100%, 48%
XYZ	7.6871, 14.2941, 2.3539
YIQ	82.3780, -12.0940, -56.1740

# Conversions

## Conversions Part 2

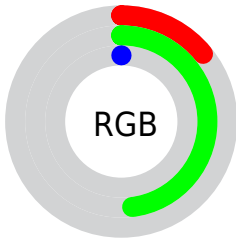
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 122, 86
Decimal	2390528
CIELab	44.65, -45.20, 48.86
CIELCh	45, 66.561, 132.775
Yxy	14.2941, 0.3159, 0.5874
Android (android.graphics.Color)	4280580608 (0xFF247A00)
YUV	82.3780, -40.6124, -40.6735
Hunter-Lab	37.8076, -29.8704, 22.7739

# Details

The Hex color **247A00** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **56007A**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **5FAF3E**, and **004800** is the 20% darker color. If you saturate the color by 10%, you get **247A00**, and if you desaturate by 10%, it is **2D7A0C**.

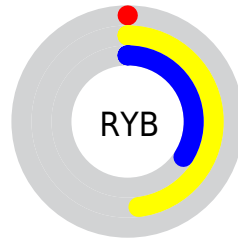
# Distribution



Red (14%)

Green (48%)

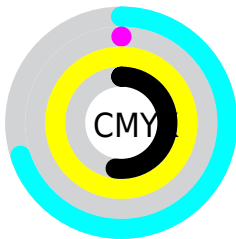
Blue (0%)



Red (0%)

Yellow (48%)

Blue (34%)

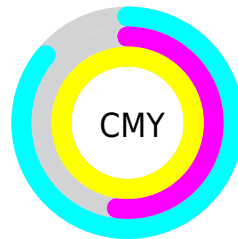


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (86%)

Magenta (52%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 247A00 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 247A00 by changing the saturation by 10% instead.



 247A00

 247A00

FFFFFF

 006100

 5FAF3E

 004800

 7BCB58

 003100

 97E873

 001900

 B4FF8D

 000000

 D1FFA9

 EEFFC5

 FFFFE1

 247A00

 2D7A0C

 357A18

 3E7A25


 467A31

 4F7A3D

 587A49

 607A55

 697A62

 717A6E

# Harmonies

## Analogous

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



6B6F00



247A00



008046

# Triad

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



247A00



0079D4



CA2255

# Complementary

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



247A00



56007A

# 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.



BB2D8C



247A00



0069D7

# Square

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



247A00



0080B4



884EBC



BC3F1F

# Rectangle

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



247A00



00816D



884EBC



C82067



# Sweetspot

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



247A00



7D9E6F



7A5500



3B4F33



CFCFCF



4F4F4F



# Same Dimension

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



247A00



2F9E00



007A18



393D37



257D00



4AFC00



# Inverse Universe

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



56007A



6F009E



7A0062



3B373D



58007D

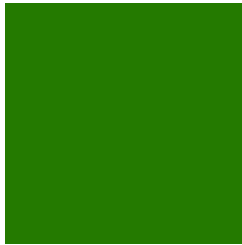


B200FC



# Previews

## White Background



This preview shows how the Hex color 247A00 looks on a white background.

### Color Contrast Check

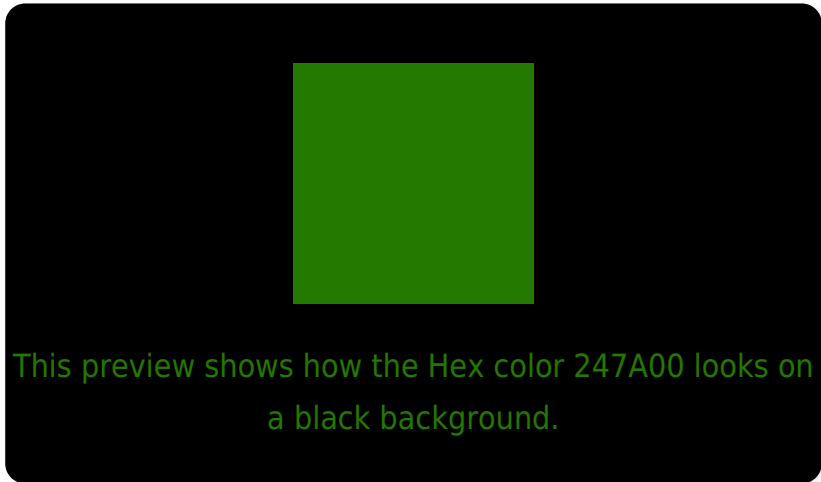
Large Text (above 18pt) WCAG AA ✓ Pass

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 247A00 Background



This preview shows how black text looks on a background with the Hex color 247A00.



This preview shows how white text looks on a background with the Hex color 247A00.

# 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**  
247A00

**Protanopia**  
776900

**Deuteranopia**  
84641A



**Tritanopia**  
3D717B

# Trichromacy



**Original Color**  
247A00

**Protanomaly**  
596F00

**Deuteranomaly**  
616C11

**Tritanomaly**  
34744E

# Monochromacy



**Original Color**  
247A00

**Achromatopsia**  
525252

**Achromatomaly**  
416134

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 247A00 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 #247A00 looks like.

```
.text, #text, p{  
    color:#247A00  
}
```

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 #247A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #247A00
}
```

## Border

The CSS property to change the border of an element to Hex 247A00 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
#247A00 }
```

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

```
.border{ border-color:#247A00 }
```

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

Here you see how a box with a 4 pixel #247A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #247A00; -webkit-box-shadow:4px 4px  
4px 4px #247A00; box-shadow:4px 4px 4px  
4px #247A00 }
```

# Background

The CSS property to change the background color of an element to Hex 247A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#247A00 }
```

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

```
.background{ background-color:#247A00 }
```

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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