

# Converting Colors

Hex(176300)

Have a look what the booklet for  
Hex(176300) contains.

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**Color**

**Hex(176300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	176300
RGB	23, 99, 0
RGB Percent	9%, 39%, 0%
CMY	0.9098, 0.6118, 1.0000
CMYK	0.77, 0.00, 1.00, 0.61
HSL	106°, 100%, 19%
HSV	106°, 100%, 39%
XYZ	4.8152, 9.1058, 1.5038
YIQ	64.9900, -13.5170, -46.9010

# Conversions

## Conversions Part 2

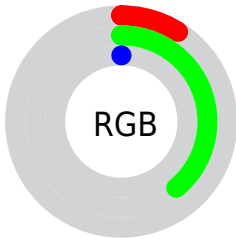
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 99, 76
Decimal	1532672
CIELab	36.19, -39.94, 41.99
CIELCh	36, 57.950, 133.561
Yxy	9.1058, 0.3122, 0.5903
Android (android.graphics.Color)	4279722752 (0xFF176300)
YUV	64.9900, -32.0401, -36.8252
Hunter-Lab	30.1759, -24.3244, 18.1684

# Details

The Hex color **176300** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4C0063**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **519738**, and **003300** is the 20% darker color. If you saturate the color by 10%, you get **176300**, and if you desaturate by 10%, it is **1F630A**.

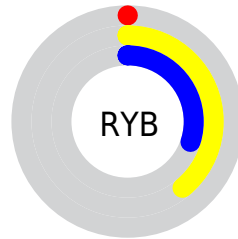
# Distribution



Red (9%)

Green (39%)

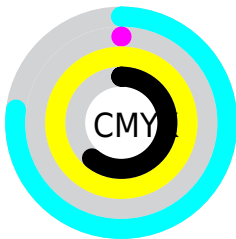
Blue (0%)



Red (0%)

Yellow (39%)

Blue (30%)

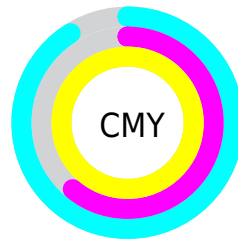


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (91%)

Magenta (61%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 176300 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 176300 by changing the saturation by 10% instead.




 176300

 176300

 FFFFF5

 004A00

 519738

 003300

 6CB251

 001E00

 88CE6B

 000000

 A3EA85

 C0FFA0

 DCFDBC

 FAFFD8

 176300

 1F630A

 266314

 2E631E

 356328

 3D6332

 45633B

 4C6345

 54634F

 5B6359

# Harmonies

## Analogous

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



555A00



176300



006839

# Triad

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



176300



0062AF



A51842

# Complementary

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



176300



4C0063

# 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.



9A2171



176300



0054B1

# Square

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



176300



006895



703D99



993215

# Rectangle

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



176300



00695A



703D99



A41652



# Sweetspot

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



176300



628059



634C00



2E4029



BFBFBF



404040



# Same Dimension

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



176300



1E8000



00631A



2D302C



1A7000



38F000



# Inverse Universe

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



4C0063



620080



630049



2F2C30



560070

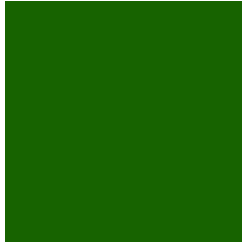


B800F0



# Previews

## White Background



This preview shows how the Hex color 176300 looks on a white background.

## Color Contrast Check

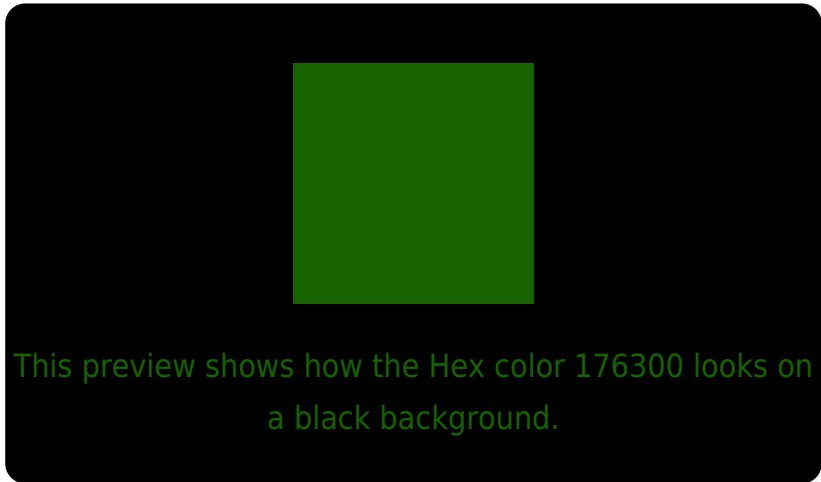
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

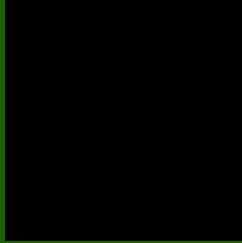
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 176300 Background



This preview shows how black text looks on a background with the Hex color 176300.



This preview shows how white text looks on a background with the Hex color 176300.

# 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](#).

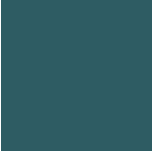
## Dichromacy



**Original Color**  
176300

**Protanopia**  
605500

**Deuteranopia**  
6B5115



**Tritanopia**  
2E5C63

# Trichromacy



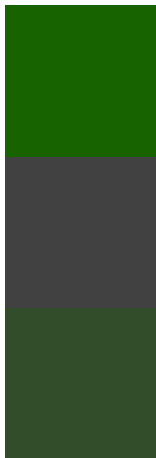
**Original Color**  
176300

**Protanomaly**  
455A00

**Deuteranomaly**  
4C580D

**Tritanomaly**  
265F3F

# Monochromacy



**Original Color**  
176300

**Achromatopsia**  
414141

**Achromatomaly**  
324D29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 176300 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 #176300 looks like.

```
.text, #text, p{  
    color:#176300  
}
```

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 #176300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #176300
}
```

## Border

The CSS property to change the border of an element to Hex 176300 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".

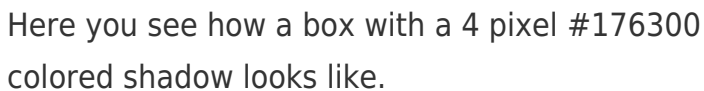
```
.border, #border, table{ border:4px solid
#176300 }
```

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

```
.border{ border-color:#176300 }
```

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

Here you see how a box with a 4 pixel #176300 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #176300; -webkit-box-shadow:4px 4px  
4px 4px #176300; box-shadow:4px 4px 4px  
4px #176300 }
```

# Background

The CSS property to change the background color of an element to Hex 176300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#176300 }
```

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

```
.background{ background-color:#176300 }
```

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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