

# Converting Colors

Hex(236900)

Have a look what the booklet for  
Hex(236900) contains.

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**Color**

**Hex(236900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	236900
RGB	35, 105, 0
RGB Percent	14%, 41%, 0%
CMY	0.8627, 0.5882, 1.0000
CMYK	0.67, 0.00, 1.00, 0.59
HSL	100°, 100%, 21%
HSV	100°, 100%, 41%
XYZ	5.7447, 10.4605, 1.7163
YIQ	72.1000, -8.0150, -47.4950

# Conversions

## Conversions Part 2

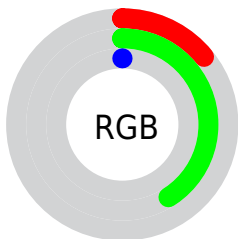
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 70
Decimal	2320640
CIELab	38.66, -39.37, 44.09
CIELCh	39, 59.106, 131.762
Yxy	10.4605, 0.3205, 0.5837
Android (android.graphics.Color)	4280510720 (0xFF236900)
YUV	72.1000, -35.5453, -32.5367
Hunter-Lab	32.3427, -24.8944, 19.4936

# Details

The Hex color **236900** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **460069**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **5B9D3A**, and **003800** is the 20% darker color. If you saturate the color by 10%, you get **236900**, and if you desaturate by 10%, it is **2A690A**.

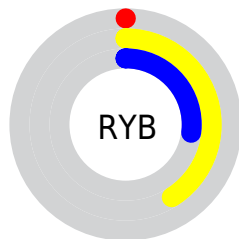
# Distribution



Red (14%)

Green (41%)

Blue (0%)



Red (0%)

Yellow (41%)

Blue (27%)

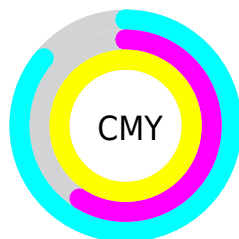


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (86%)

Magenta (59%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 236900 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 236900 by changing the saturation by 10% instead.



 236900

 236900

 FFFFF7

 005000

 5B9D3A

 003800

 76B853

 002400

 91D46D

 000000

 ADF188


 CAFFA3

 E7FFBE

 FFFFDB

 236900

 2A690A

 316915

 386920

 3F692A

 466935

 4D693F

 54694A

 5B6954

 62695F

# Harmonies

## Analogous

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



5E5F00



236900



006E3B

# Triad

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



236900



0069B7



AE1E4A

# Complementary

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



236900



460069

# 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.



A0287A



236900



005BBA

# Square

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



236900



006F9A



7344A3



A3351C

# Rectangle

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



236900



00705D



7344A3



AD1D5A



# Sweetspot

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



236900



6E8A60



694600



34452C



C4C4C4



454545



# Same Dimension

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



236900



2E8A00



006911



323630



277500



52F500



# Inverse Universe

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



460069



5C008A



690057



343036



4E0075

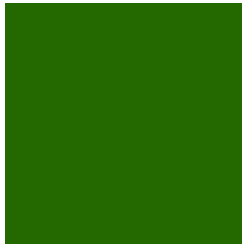


A300F5



# Previews

## White Background



This preview shows how the Hex color 236900 looks on a white background.

## Color Contrast Check

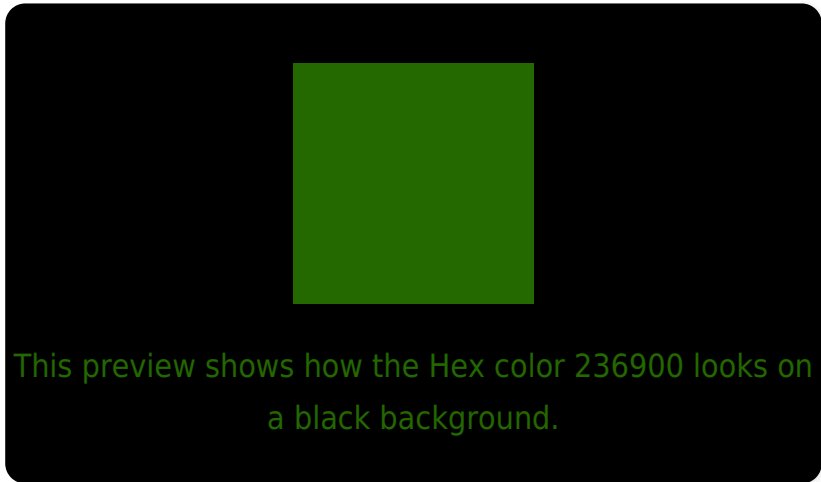
Large Text (above 18pt) WCAG AA ✓ Pass

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 236900 Background



This preview shows how black text looks on a background with the Hex color 236900.



This preview shows how white text looks on a background with the Hex color 236900.

# 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**  
236900

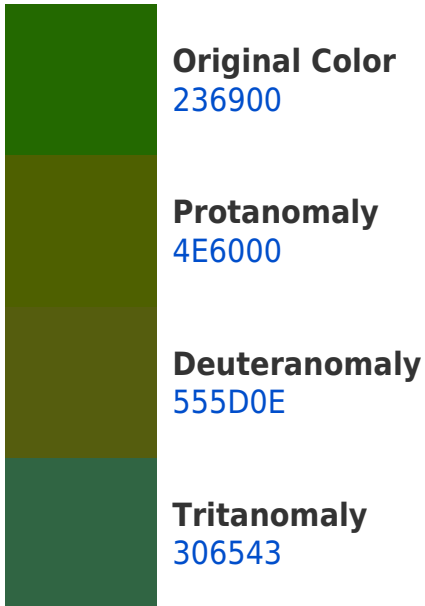
**Protanopia**  
665B00

**Deuteranopia**  
725616

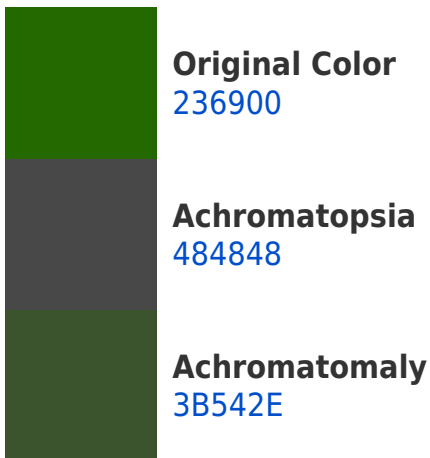


**Tritanopia**  
376269

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 236900 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 #236900 looks like.

```
.text, #text, p{  
    color:#236900  
}
```

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 #236900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #236900
}
```

## Border

The CSS property to change the border of an element to Hex 236900 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
#236900 }
```

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

```
.border{ border-color:#236900 }
```

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

Here you see how a box with a 4 pixel #236900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #236900; -webkit-box-shadow:4px 4px  
4px 4px #236900; box-shadow:4px 4px 4px  
4px #236900 }
```

# Background

The CSS property to change the background color of an element to Hex 236900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#236900 }
```

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

```
.background{ background-color:#236900 }
```

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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