

# Converting Colors

Hex(417900)

Have a look what the booklet for  
Hex(417900) contains.

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**Color**

**Hex(417900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	417900
RGB	65, 121, 0
RGB Percent	25%, 47%, 0%
CMY	0.7451, 0.5255, 1.0000
CMYK	0.46, 0.00, 1.00, 0.53
HSL	88°, 100%, 24%
HSV	88°, 100%, 47%
XYZ	9.0173, 14.7986, 2.3811
YIQ	90.4620, 5.4650, -49.5030

# Conversions

## Conversions Part 2

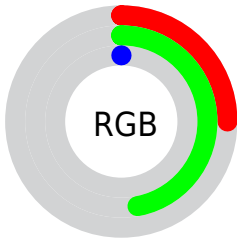
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 121, 56
Decimal	4290816
CIELab	45.36, -36.43, 49.86
CIELCh	45, 61.748, 126.152
Yxy	14.7986, 0.3442, 0.5649
Android (android.graphics.Color)	4282480896 (0xFF417900)
YUV	90.4620, -44.5978, -22.3302
Hunter-Lab	38.4689, -25.4791, 23.2583

# Details

The Hex color **417900** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **380079**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **77AE3F**, and **024800** is the 20% darker color. If you saturate the color by 10%, you get **417900**, and if you desaturate by 10%, it is **47790C**.

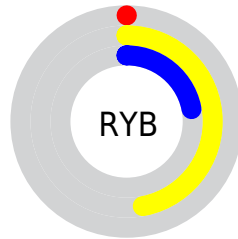
# Distribution



Red (25%)

Green (47%)

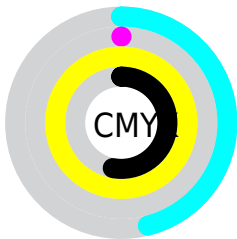
Blue (0%)



Red (0%)

Yellow (47%)

Blue (22%)

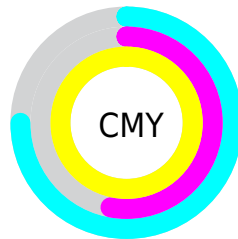


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (75%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 417900 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 417900 by changing the saturation by 10% instead.



 417900

 417900

FFFFFF

 256000

 77AE3F

 024800

 92C959

 003000

 AEE673

 001B00

 CBFF8E

 000000

 E8FFA9

 FFFFC5

 FFFFE2

 417900

 47790C

 4C7918

 527924

 577930

 5D793C

 637949

 687955

 6E7961

 73796D

# Harmonies

## Analogous

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



786D00



417900



00803F

# Triad

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



417900



007CCA



C52F63

# Complementary

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



417900



380079

# 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.



B03D96



417900



006ED3

# Square

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



417900



0081A7



7858BF



BE4031

# Rectangle

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



417900



008263



7858BF



C23074



# Sweetspot

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



417900



889E6F



793600



424F33



CFCFCF



4F4F4F



# Same Dimension

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



417900



559E00



067900



3A3D37



437D00



88FC00



# Inverse Universe

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



380079



49009E



730079



3A373D



3A007D



7500FC



# Previews

## White Background



This preview shows how the Hex color 417900 looks on a white background.

## Color Contrast Check

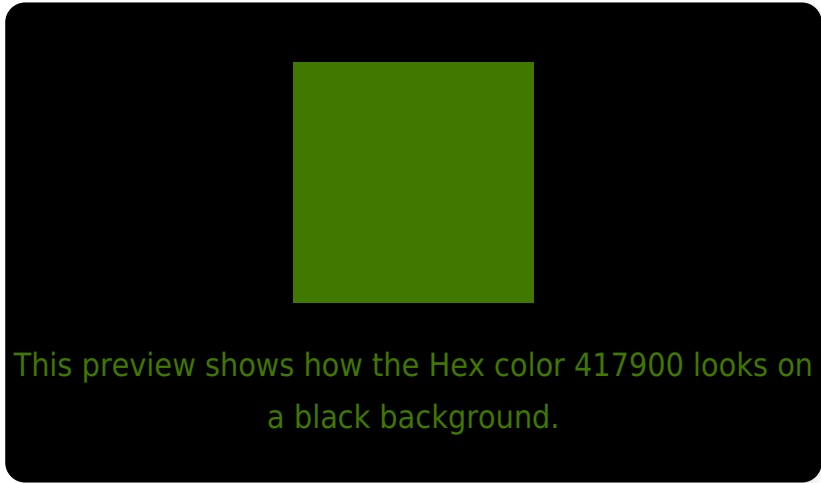
Large Text (above 18pt) WCAG AA ✓ Pass

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 417900 Background



This preview shows how black text looks on a background with the Hex color 417900.



This preview shows how white text looks on a background with the Hex color 417900.

# 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**  
417900

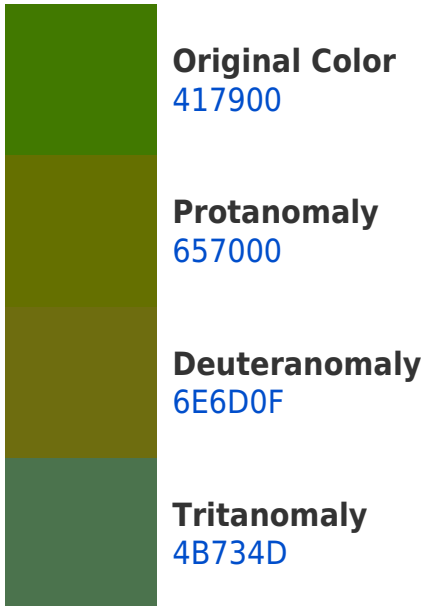
**Protanopia**  
796B00

**Deuteranopia**  
876618

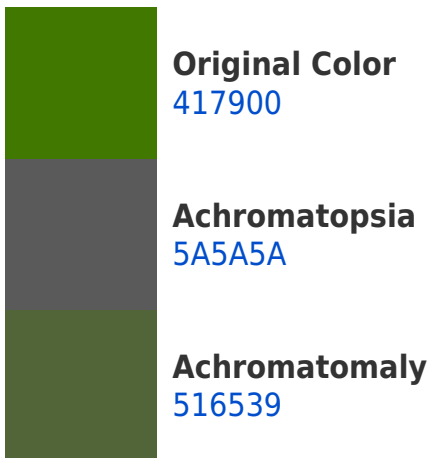


**Tritanopia**  
507079

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 417900 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 #417900 looks like.

```
.text, #text, p{  
    color:#417900  
}
```

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 #417900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #417900  
}
```

## Border

The CSS property to change the border of an element to Hex 417900 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  
#417900 }
```

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

```
.border{ border-color:#417900 }
```

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

Here you see how a box with a 4 pixel #417900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #417900; -webkit-box-shadow:4px 4px  
4px 4px #417900; box-shadow:4px 4px 4px  
4px #417900 }
```

# Background

The CSS property to change the background color of an element to Hex 417900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#417900 }
```

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

```
.background{ background-color:#417900 }
```

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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