

# Converting Colors

Hex(046500)

Have a look what the booklet for  
Hex(046500) contains.

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**Color**

**Hex(046500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	046500
RGB	4, 101, 0
RGB Percent	2%, 40%, 0%
CMY	0.9843, 0.6039, 1.0000
CMYK	0.96, 0.00, 1.00, 0.60
HSL	118°, 100%, 20%
HSV	118°, 100%, 40%
XYZ	4.7038, 9.3332, 1.5536
YIQ	60.4830, -25.3910, -51.9750

# Conversions

## Conversions Part 2

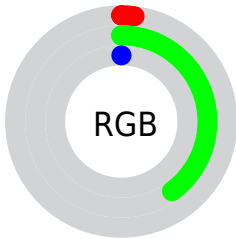
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 101, 97
Decimal	288000
CIELab	36.62, -43.23, 42.21
CIELCh	37, 60.421, 135.683
Yxy	9.3332, 0.3017, 0.5986
Android (android.graphics.Color)	4278478080 (0xFF046500)
YUV	60.4830, -29.8181, -49.5356
Hunter-Lab	30.5502, -25.9797, 18.3701

# Details

The Hex color **046500** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **610065**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **4A9939**, and **003500** is the 20% darker color. If you saturate the color by 10%, you get **046500**, and if you desaturate by 10%, it is **0E650A**.

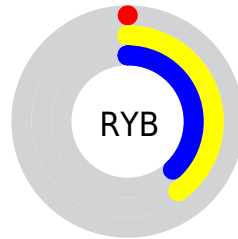
# Distribution



Red (2%)

Green (40%)

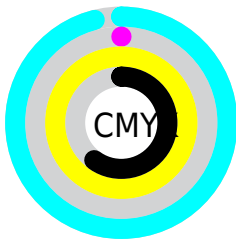
Blue (0%)



Red (0%)

Yellow (40%)

Blue (38%)

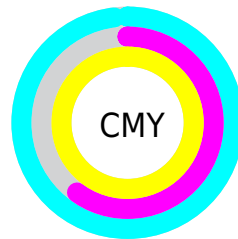


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (98%)

Magenta (60%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 046500 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 046500 by changing the saturation by 10% instead.



 046500

 046500

 FFFFF5

 004C00

 4A9939

 003500

 65B452

 001F00

 81D06C

 000000

 9DED86


 B9FFA1


 D6FFBC

 F3FFD8

 046500

 0E650A

 176514

 21651E

 2B6528

 356533

 3E653D

 486547

 526551

 5B655B

# Harmonies

## Analogous

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



525C00



046500



00693C

# Triad

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



046500



0063B5



A9143F

# Complementary

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



046500



610065

# 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.



9F1A70



046500



0054B5

# Square

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



046500



00699B



763B9B



9B320F

# Rectangle

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



046500



006B5E



763B9B



A90E4F



# Sweetspot

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



046500



5D825B



656000



2B422A



C2C2C2



424242



# Same Dimension

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



046500



058200



00652D



2E332E



057300



0AF200



# Inverse Universe

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



610065



7D0082



650038



332E33



6E0073

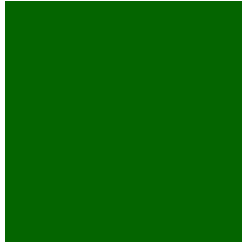


E900F2



# Previews

## White Background



This preview shows how the Hex color 046500 looks on a white background.

## Color Contrast Check

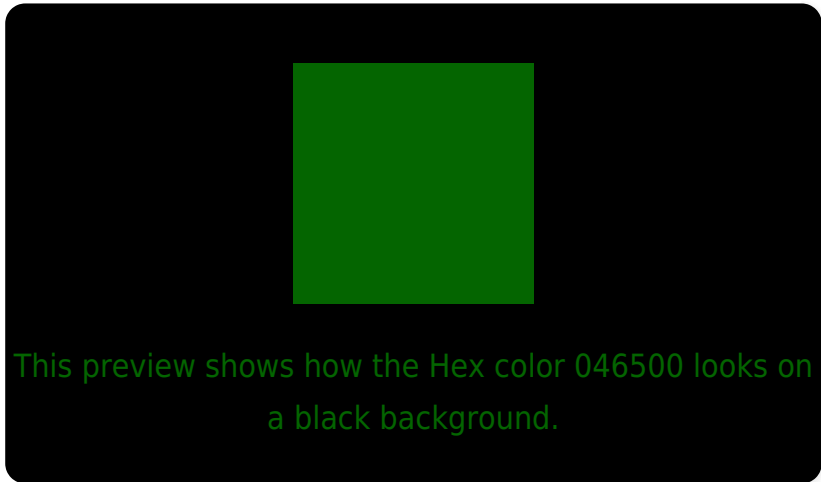
Large Text (above 18pt) WCAG AA ✓ Pass

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

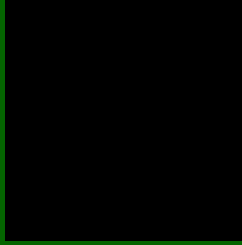
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 046500 Background



This preview shows how black text looks on a background with the Hex color 046500.



This preview shows how white text looks on a background with the Hex color 046500.

# 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**  
046500

**Protanopia**  
615600

**Deuteranopia**  
6C5216



**Tritanopia**  
2A5E65

# Trichromacy



**Original Color**  
046500

**Protanomaly**  
3F5B00

**Deuteranomaly**  
46590E

**Tritanomaly**  
1C6140

# Monochromacy



**Original Color**  
046500

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
284B26

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 046500 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 #046500 looks like.

```
.text, #text, p{  
    color:#046500  
}
```

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 #046500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #046500
}
```

## Border

The CSS property to change the border of an element to Hex 046500 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".

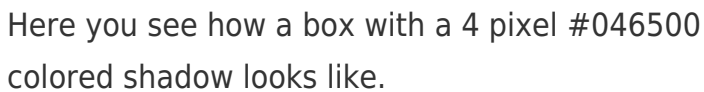
```
.border, #border, table{ border:4px solid
#046500 }
```

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

```
.border{ border-color:#046500 }
```

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

Here you see how a box with a 4 pixel #046500 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #046500; -webkit-box-shadow:4px 4px  
4px 4px #046500; box-shadow:4px 4px 4px  
4px #046500 }
```

# Background

The CSS property to change the background color of an element to Hex 046500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#046500 }
```

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

```
.background{ background-color:#046500 }
```

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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