

# Converting Colors

Hex(106618)

Have a look what the booklet for  
Hex(106618) contains.

<b>Hex(106618)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(106618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	106618
RGB	16, 102, 24
RGB Percent	6%, 40%, 9%
CMY	0.9373, 0.6000, 0.9059
CMYK	0.84, 0.00, 0.76, 0.60
HSL	126°, 73%, 23%
HSV	126°, 84%, 40%
XYZ	5.1299, 9.6788, 2.4620
YIQ	67.3940, -26.2180, -42.4900

# Conversions

## Conversions Part 2

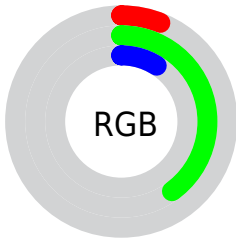
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 95, 102
Decimal	1074712
CIELab	37.26, -40.61, 35.27
CIELCh	37, 53.791, 139.025
Yxy	9.6788, 0.2970, 0.5604
Android (android.graphics.Color)	4279264792 (0xFF106618)
YUV	67.3940, -21.3932, -45.0725
Hunter-Lab	31.1108, -25.0108, 17.0856

# Details

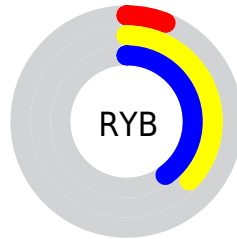
The Hex color **106618** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **66105E**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **4D9A49**, and **003500** is the 20% darker color. If you saturate the color by 10%, you get **06660F**, and if you desaturate by 10%, it is **1A6621**.

# Distribution



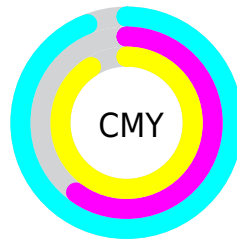
- Red (6%)
- Green (40%)
- Blue (9%)



- Red (6%)
- Yellow (37%)
- Blue (40%)



- Cyan (84%)
- Magenta (0%)
- Yellow (76%)
- Black (60%)



- Cyan (94%)
- Magenta (60%)
- Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 106618 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 106618 by changing the saturation by 10% instead.



 106618

 106618

FFFFFF

 004D00

 4D9A49

 003500

 68B562

 002100

 84D17B

 000000

 9FEE95

 BCFFB1

 D8FFCC

 F6FFE9

 106618

 106618

■ 06660F

■ 1A6621

■ 006609

■ 24662B

■ 2F6634

■ 39663D

■ 436646

■ 4D6650

■ 576659

■ 626662

■ 6C666B

# Harmonies

## Analogous

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



515E00



106618



006A46

# Triad

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



106618



0062AD



A3283E

# Complementary

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



106618



66105E

# 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.



9C286A



106618



2D53AA

# Square

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



106618



006999



7B3E91



953C15

# Rectangle

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



106618



006B64



7B3E91



A3254D



# Sweetspot

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



106618



638567



5F6610



2E4230



C2C2C2



424242



# Same Dimension

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



106618



00850C



106642



2E332E



00730B



00F217



# Inverse Universe

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



66105E



850078



661034



332E33



730068



F200DC



# Previews

## White Background



This preview shows how the Hex color 106618 looks on a white background.

## Color Contrast Check

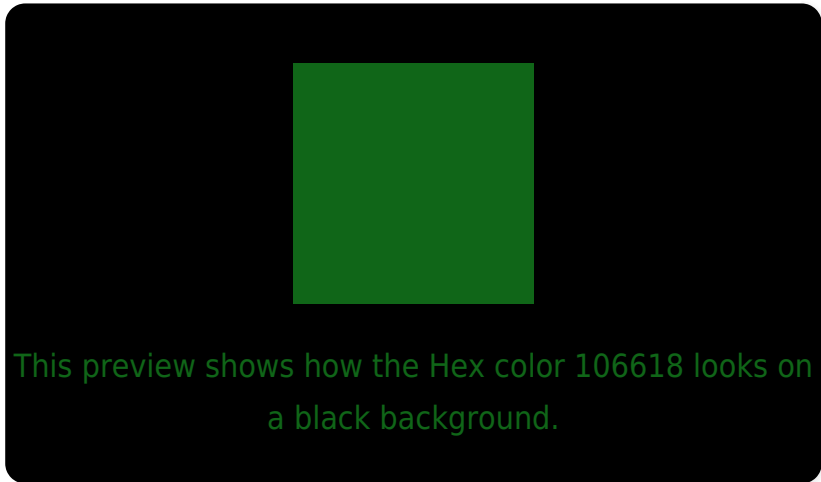
Large Text (above 18pt) WCAG AA ✓ Pass

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

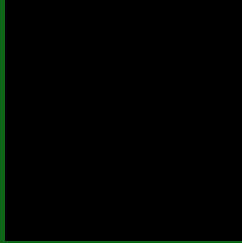
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 106618 Background



This preview shows how black text looks on a background with the Hex color 106618.



This preview shows how white text looks on a background with the Hex color 106618.

# 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**  
106618

**Protanopia**  
625814

**Deuteranopia**  
6D5320



**Tritanopia**  
2C5F67

# Trichromacy



**Original Color**  
106618



**Protanomaly**  
445D15



**Deuteranomaly**  
4B5A1D

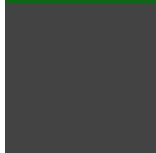


**Tritanomaly**  
22624A

# Monochromacy



**Original Color**  
106618



**Achromatopsia**  
434343



**Achromatomaly**  
305033

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 106618 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 #106618 looks like.

```
.text, #text, p{  
    color:#106618  
}
```

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 #106618 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #106618 }  
}
```

## Border

The CSS property to change the border of an element to Hex 106618 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".

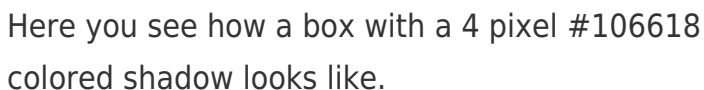
```
.border, #border, table{ border:4px solid #106618 }  
}
```

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

```
.border{ border-color:#106618 }
```

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

Here you see how a box with a 4 pixel #106618 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #106618; -webkit-box-shadow:4px 4px  
4px 4px #106618; box-shadow:4px 4px 4px  
4px #106618 }
```

# Background

The CSS property to change the background color of an element to Hex 106618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#106618 }
```

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

```
.background{ background-color:#106618 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor