

# Converting Colors

Hex(004707)

Have a look what the booklet for  
Hex(004707) contains.

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# Color

**Hex(004707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004707
RGB	0, 71, 7
RGB Percent	0%, 28%, 3%
CMY	1.0000, 0.7216, 0.9725
CMYK	1.00, 0.00, 0.90, 0.72
HSL	126°, 100%, 14%
HSV	126°, 100%, 28%
XYZ	2.2916, 4.5218, 0.9530
YIQ	42.4750, -21.7720, -34.9560

# Conversions

## Conversions Part 2

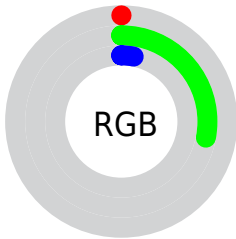
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 65, 71
Decimal	18183
CIELab	25.33, -33.69, 30.03
CIELCh	25, 45.132, 138.280
Yxy	4.5218, 0.2951, 0.5822
Android (android.graphics.Color)	4278208263 (0xFF004707)
YUV	42.4750, -17.4892, -37.2506
Hunter-Lab	21.2646, -17.9768, 12.2279

# Details

The Hex color **004707** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **470040**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **3C7836**, and **001B00** is the 20% darker color. If you saturate the color by 10%, you get **004707**, and if you desaturate by 10%, it is **07470D**.

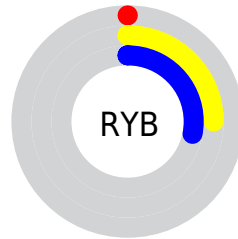
# Distribution



Red (0%)

Green (28%)

Blue (3%)



Red (0%)

Yellow (25%)

Blue (28%)

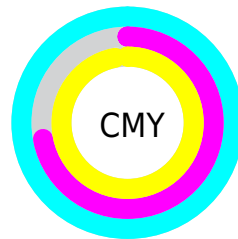


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (72%)



Cyan (100%)

Magenta (72%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004707 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 004707 by changing the saturation by 10% instead.



 004707

 004707

 FCFFEE

 003000

 3C7836

 001B00

 56924E

 000000

 70AD67

 8BC981

 A6E59B

 C2FFB6

 DFFFD2

 004707

■ 07470D

■ 0E4714

■ 15471A

■ 1C4721

■ 244727

■ 2B472D

■ 324734

■ 39473A

■ 404741

# Harmonies

## Analogous

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



374100



004707



004A2D

# Triad

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



004707



004480



771329

# Complementary

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



004707



470040

# 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.



71144B



004707



0F397E

# Square

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



004707



00496F



56276A



6C2506

# Rectangle

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



004707



004B45



56276A



770F34



# Sweetspot

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



004707



405C43



414700



1D2E1F



ADADAD



2E2E2E



# Same Dimension

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



004707



005C09



004729



202420



00630A



00E316



# Inverse Universe

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



470040



5C0053



47001E



242023



63005A

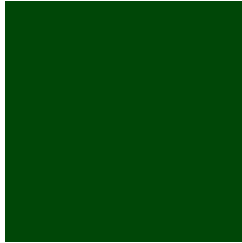


E300CD



# Previews

## White Background



This preview shows how the Hex color 004707 looks on a white background.

## Color Contrast Check

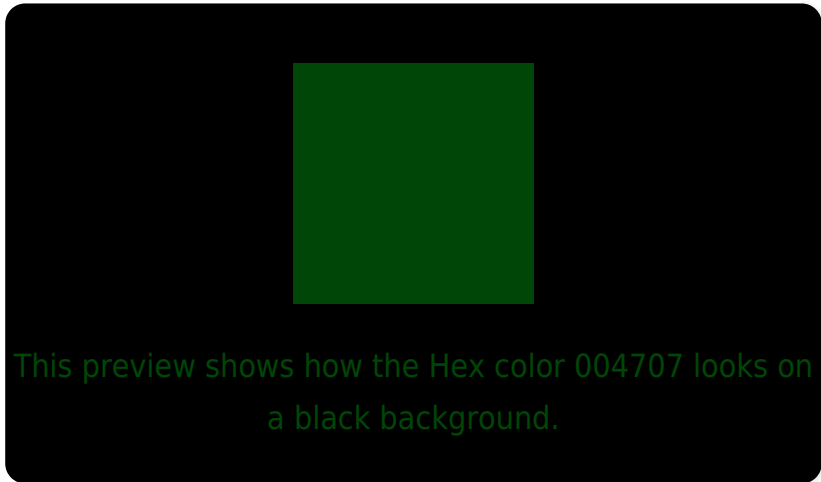
Large Text (above 18pt) WCAG AA ✓ Pass

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

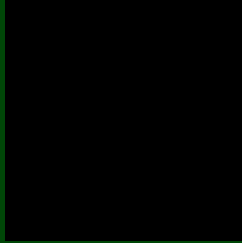
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004707 Background



This preview shows how black text looks on a background with the Hex color 004707.



This preview shows how white text looks on a background with the Hex color 004707.

# 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**  
004707

**Protanopia**  
443D00

**Deuteranopia**  
4C3A11



**Tritanopia**  
1E4247

# Trichromacy



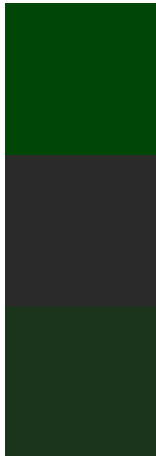
**Original Color**  
004707

**Protanomaly**  
2B4103

**Deuteranomaly**  
303F0D

**Tritanomaly**  
134430

# Monochromacy



**Original Color**  
004707

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1B351D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004707 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 #004707 looks like.

```
.text, #text, p{  
    color:#004707  
}
```

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 #004707 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004707
}
```

## Border

The CSS property to change the border of an element to Hex 004707 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
#004707 }
```

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

```
.border{ border-color:#004707 }
```

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

Here you see how a box with a 4 pixel #004707 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004707; -webkit-box-shadow:4px 4px  
4px 4px #004707; box-shadow:4px 4px 4px  
4px #004707 }
```

# Background

The CSS property to change the background color of an element to Hex 004707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004707 }
```

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

```
.background{ background-color:#004707 }
```

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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