

# Converting Colors

Hex(048B1B)

Have a look what the booklet for  
Hex(048B1B) contains.

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**Color**

**Hex(048B1B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	048B1B
RGB	4, 139, 27
RGB Percent	2%, 55%, 11%
CMY	0.9843, 0.4549, 0.8941
CMYK	0.97, 0.00, 0.81, 0.45
HSL	130°, 94%, 28%
HSV	130°, 97%, 55%
XYZ	9.4805, 18.5702, 4.1216
YIQ	85.8670, -44.5080, -63.4520

# Conversions

## Conversions Part 2

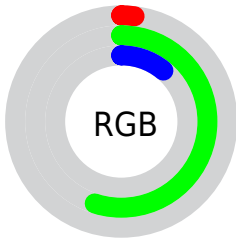
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 119, 139
Decimal	297755
CIELab	50.18, -53.38, 46.95
CIELCh	50, 71.089, 138.665
Yxy	18.5702, 0.2947, 0.5772
Android (android.graphics.Color)	4278487835 (0xFF048B1B)
YUV	85.8670, -29.0214, -71.7974
Hunter-Lab	43.0931, -36.1429, 24.4944

# Details

The Hex color **048B1B** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8B0474**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **55C250**, and **005700** is the 20% darker color. If you saturate the color by 10%, you get **008B18**, and if you desaturate by 10%, it is **128B27**.

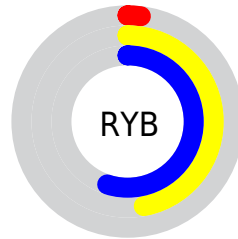
# Distribution



Red (2%)

Green (55%)

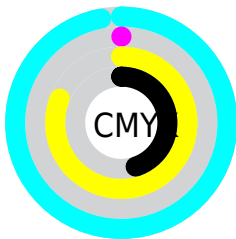
Blue (11%)



Red (2%)

Yellow (47%)

Blue (55%)

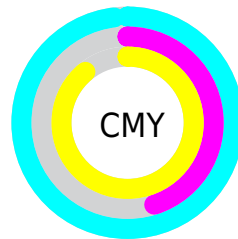


Cyan (97%)

Magenta (0%)

Yellow (81%)

Black (45%)



Cyan (98%)

Magenta (45%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 048B1B 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 048B1B by changing the saturation by 10% instead.





048B1B



048B1B

FFFFFF



007100



55C250



005700



73DE6A



003F00



90FB85



002800



ADFFA0



000100



CAFFBC



000000



E8FFD8



FFFFFF5



048B1B



048B1B

■ 008B18

■ 128B27

■ 208B32

■ 2E8B3E

■ 3C8B49

■ 4A8B55

■ 578B60

■ 658B6C

■ 738B77

■ 818B83

# Harmonies

## Analogous

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



6D8000



048B1B



00905E

# Triad

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



048B1B



0085EF



E03055

# Complementary

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



048B1B



8B0474

# 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.



D63191



048B1B



3072EB

# Square

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



048B1B



008FD2



A753C8



CC5019

# Rectangle

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



048B1B



009288



A753C8



E02A69



# Sweetspot

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



048B1B



81B589



748B04



3C5C41



DBDBDB



5C5C5C



# Same Dimension

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



048B1B



00B51F



048B5E



3E453F



008517



000501



# Inverse Universe

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



8B0474



B50096



8B0431



453E44



85006E

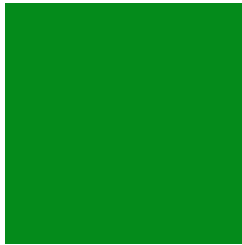


050004



# Previews

## White Background



This preview shows how the Hex color 048B1B looks on a white background.

## Color Contrast Check

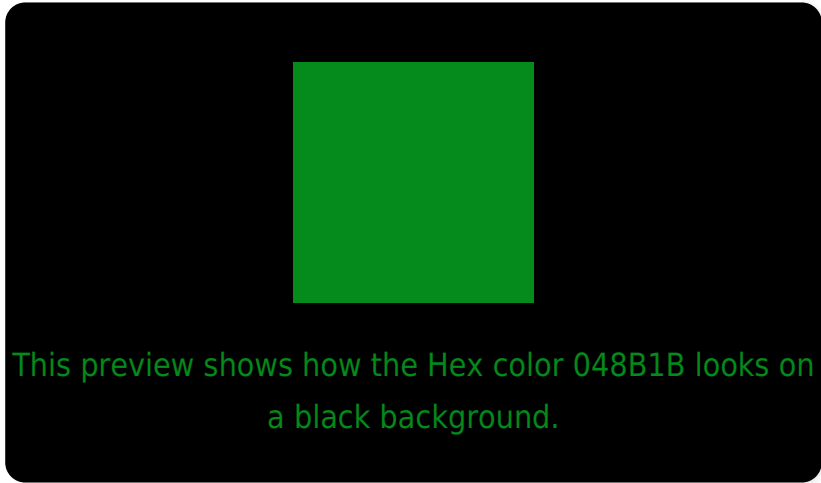
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 048B1B Background



This preview shows how black text looks on a background with the Hex color 048B1B.



This preview shows how white text looks on a background with the Hex color 048B1B.

# 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**  
048B1B

**Protanopia**  
867716

**Deuteranopia**  
957128



**Tritanopia**  
3A818C

# Trichromacy



**Original Color**  
048B1B



**Protanomaly**  
577E18



**Deuteranomaly**  
607A23



**Tritanomaly**  
268563

# Monochromacy



**Original Color**  
048B1B



**Achromatopsia**  
565656



**Achromatomaly**  
386941

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 048B1B 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 #048B1B looks like.

```
.text, #text, p{  
    color:#048B1B  
}
```

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 #048B1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #048B1B
}
```

## Border

The CSS property to change the border of an element to Hex 048B1B 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
#048B1B }
```

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

```
.border{ border-color:#048B1B }
```

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

Here you see how a box with a 4 pixel #048B1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #048B1B; -webkit-box-shadow:4px 4px  
4px 4px #048B1B; box-shadow:4px 4px 4px  
4px #048B1B }
```

# Background

The CSS property to change the background color of an element to Hex 048B1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#048B1B }
```

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

```
.background{ background-color:#048B1B }
```

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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