

# Converting Colors

Hex(009905)

Have a look what the booklet for  
Hex(009905) contains.

<b>Hex(009905)</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(009905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009905
RGB	0, 153, 5
RGB Percent	0%, 60%, 2%
CMY	1.0000, 0.4000, 0.9804
CMYK	1.00, 0.00, 0.97, 0.40
HSL	122°, 100%, 30%
HSV	122°, 100%, 60%
XYZ	11.4186, 22.7934, 3.9413
YIQ	90.3810, -43.6800, -78.4640

# Conversions

## Conversions Part 2

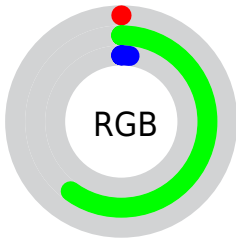
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 148, 153
Decimal	39173
CIELab	54.86, -58.71, 56.01
CIELCh	55, 81.144, 136.348
Yxy	22.7934, 0.2993, 0.5974
Android (android.graphics.Color)	4278229253 (0xFF009905)
YUV	90.3810, -42.0928, -79.2641
Hunter-Lab	47.7425, -40.8572, 28.5251

# Details

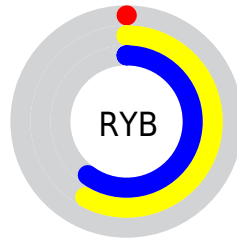
The Hex color **009905** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **990094**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5AD148**, and **006400** is the 20% darker color. If you saturate the color by 10%, you get **009905**, and if you desaturate by 10%, it is **0F9914**.

# Distribution



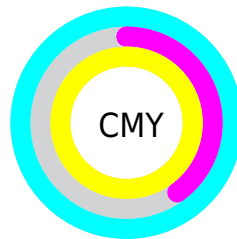
- Red (0%)
- Green (60%)
- Blue (2%)



- Red (0%)
- Yellow (58%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009905 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 009905 by changing the saturation by 10% instead.



 009905

 009905

FFFFFF

 007E00

 5AD148

 006400

 78ED63

 004B00

 96FF7E

 003400

 B4FF99

 001A00

 D2FFB5

 000000

 F0FFD2

 FFFFEF

 009905

 0F9914

 1F9923

 2E9931

 3D9940

 4D994F

 5C995E

 6B996D

 7A997B

 8A998A

# Harmonies

## Analogous

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



7B8C00



009905



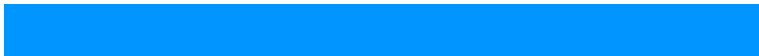
009F60

# Triad

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



009905



0095FF



FC2561

# Complementary

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



009905



990094

# 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.



EE2CA6



009905



007FFF

# Square

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



009905



009FE9



B45BE6



E7501A

# Rectangle

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



009905



00A191



B45BE6



FC1C78



# Sweetspot

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



009905



8BC78D



969900



406341



E3E3E3



636363



# Same Dimension

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



009905



00C706



00994F



454D45



008C05



000D00



# Inverse Universe

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



990094



C700C0



99004A



4D454C



8C0088

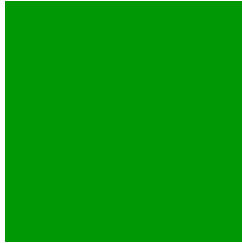


0D000C



# Previews

## White Background



This preview shows how the Hex color 009905 looks on a white background.

## Color Contrast Check

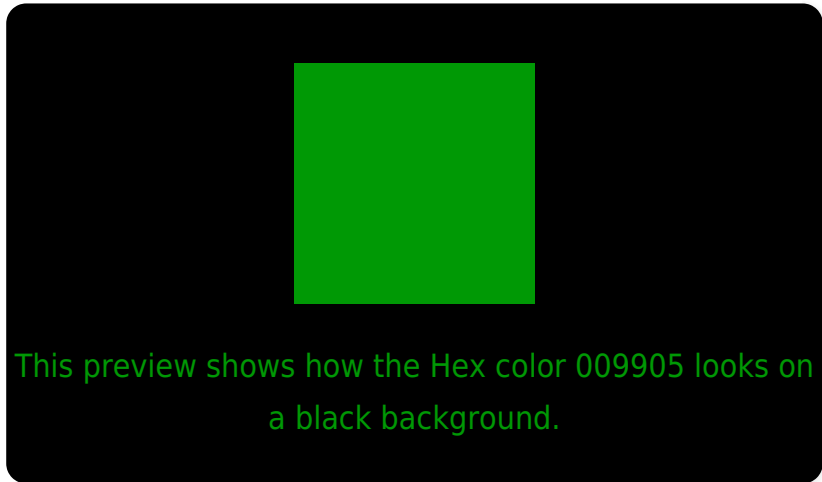
Large Text (above 18pt) WCAG AA ✓ Pass

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 009905 Background



This preview shows how black text looks on a background with the Hex color 009905.



This preview shows how white text looks on a background with the Hex color 009905.

# 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**  
009905

**Protanopia**  
938300

**Deuteranopia**  
A47C21



**Tritanopia**  
408E9A

# Trichromacy



**Original Color**  
009905



**Protanomaly**  
5E8B02



**Deuteranomaly**  
688717



**Tritanomaly**  
299264

# Monochromacy



**Original Color**  
009905



**Achromatopsia**  
5A5A5A



**Achromatomaly**  
39713B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009905 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 #009905 looks like.

```
.text, #text, p{  
    color:#009905  
}
```

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 #009905 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009905
}
```

## Border

The CSS property to change the border of an element to Hex 009905 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".

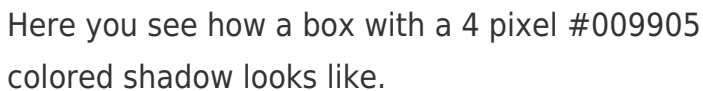
```
.border, #border, table{ border:4px solid
#009905 }
```

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

```
.border{ border-color:#009905 }
```

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

Here you see how a box with a 4 pixel #009905 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009905; -webkit-box-shadow:4px 4px  
4px 4px #009905; box-shadow:4px 4px 4px  
4px #009905 }
```

# Background

The CSS property to change the background color of an element to Hex 009905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009905 }
```

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

```
.background{ background-color:#009905 }
```

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