

# Converting Colors

Hex(109C33)

Have a look what the booklet for  
Hex(109C33) contains.

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**Color**

**Hex(109C33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	109C33
RGB	16, 156, 51
RGB Percent	6%, 61%, 20%
CMY	0.9373, 0.3882, 0.8000
CMYK	0.90, 0.00, 0.67, 0.39
HSL	135°, 81%, 34%
HSV	135°, 90%, 61%
XYZ	12.6997, 24.1261, 7.1194
YIQ	102.1700, -49.7350, -62.3350

# Conversions

## Conversions Part 2

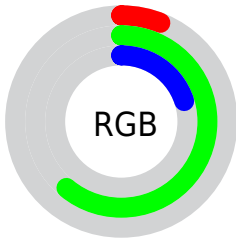
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 128, 156
Decimal	1088563
CIELab	56.21, -55.65, 43.93
CIELCh	56, 70.902, 141.711
Yxy	24.1261, 0.2890, 0.5490
Android (android.graphics.Color)	4279278643 (0xFF109C33)
YUV	102.1700, -25.2268, -75.5711
Hunter-Lab	49.1183, -39.8054, 25.7891

# Details

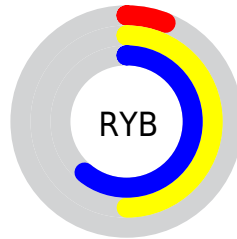
The Hex color **109C33** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9C1079**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **5DD466**, and **006700** is the 20% darker color. If you saturate the color by 10%, you get **009C27**, and if you desaturate by 10%, it is **209C3F**.

# Distribution



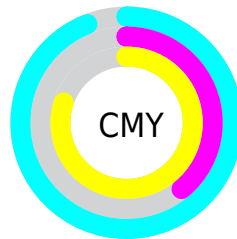
- Red (6%)
- Green (61%)
- Blue (20%)



- Red (6%)
- Yellow (50%)
- Blue (61%)



- Cyan (90%)
- Magenta (0%)
- Yellow (67%)
- Black (39%)



- Cyan (94%)
- Magenta (39%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 109C33 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 109C33 by changing the saturation by 10% instead.



 109C33

 109C33

FFFFFF

 008118

 5DD466

 006700

 7BF181

 004E00

 98FF9B

 003600

 B5FFB7

 001E00

 D3FFD3

 000000

 F1FFF0

 109C33

 109C33

 009C27

 209C3F

 2F9C4A

 3F9C56

 4E9C62

 5E9C6E

 6E9C79

 7D9C85

 8D9C91

 9C9C9C

# Harmonies

## Analogous

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



779100



109C33



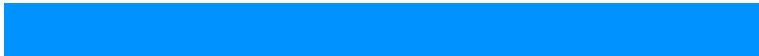
00A173

# Triad

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



109C33



0093FF



F2475D

# Complementary

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



109C33



9C1079

# 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.



EB449B



109C33



5C7EFA

# Square

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



109C33



009FE7



BF5FD4



DB6323

# Rectangle

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



109C33



00A29E



BF5FD4



F34171



# Sweetspot

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



109C33



95CCA3



799C10



45664E



E6E6E6



666666



# Same Dimension

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



109C33



00CC33



109C79



474F49



008F24



000F04



# Inverse Universe

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



9C1079



CC0099



9C1033



4F474D



8F006B



0F000B



# Previews

## White Background



This preview shows how the Hex color 109C33 looks on a white background.

## Color Contrast Check

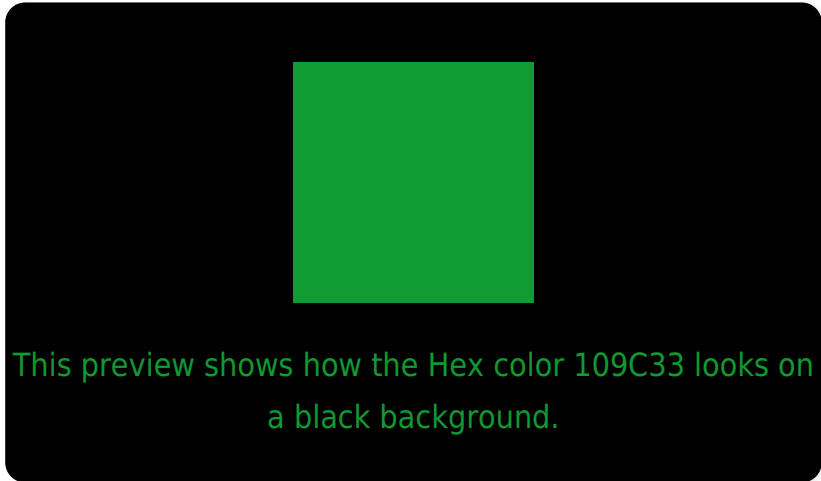
Large Text (above 18pt) WCAG AA ✓ Pass

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 109C33 Background



This preview shows how black text looks on a background with the Hex color 109C33.



This preview shows how white text looks on a background with the Hex color 109C33.

# 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**  
109C33

**Protanopia**  
96862D

**Deuteranopia**  
A67F3C



**Tritanopia**  
41929E

# Trichromacy



**Original Color**  
109C33



**Protanomaly**  
658E2F



**Deuteranomaly**  
6F8A39



**Tritanomaly**  
2F9677

# Monochromacy



**Original Color**  
109C33



**Achromatopsia**  
666666



**Achromatomaly**  
477A53

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 109C33 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 #109C33 looks like.

```
.text, #text, p{  
    color:#109C33  
}
```

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 #109C33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #109C33
}
```

## Border

The CSS property to change the border of an element to Hex 109C33 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
#109C33 }
```

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

```
.border{ border-color:#109C33 }
```

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

Here you see how a box with a 4 pixel #109C33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #109C33; -webkit-box-shadow:4px 4px  
4px 4px #109C33; box-shadow:4px 4px 4px  
4px #109C33 }
```

# Background

The CSS property to change the background color of an element to Hex 109C33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#109C33 }
```

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

```
.background{ background-color:#109C33 }
```

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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