

# Converting Colors

Hex(122D09)

Have a look what the booklet for  
Hex(122D09) contains.

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# Color

Hex(122D09)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	122D09
RGB	18, 45, 9
RGB Percent	7%, 18%, 4%
CMY	0.9294, 0.8235, 0.9647
CMYK	0.60, 0.00, 0.80, 0.82
HSL	105°, 67%, 11%
HSV	105°, 80%, 18%
XYZ	1.2371, 2.0251, 0.5841
YIQ	32.8230, -4.5360, -16.9200

# Conversions

## Conversions Part 2

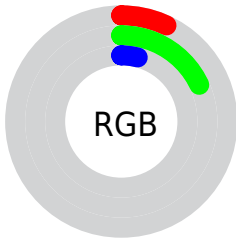
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	9, 45, 36
Decimal	1191177
CIE <sub>Lab</sub>	15.62, -18.67, 18.57
CIE <sub>LCh</sub>	16, 26.336, 135.150
Yxy	2.0251, 0.3216, 0.5265
Android (android.graphics.Color)	4279381257 (0xFF122D09)
YUV	32.8230, -11.7447, -12.9998
Hunter-Lab	14.2306, -9.3855, 7.5277

# Details

The Hex color **122D09** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **24092D**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **3F5B35**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0F2D04**, and if you desaturate by 10%, it is **152D0E**.

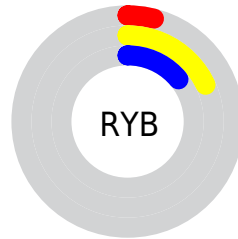
# Distribution



Red (7%)

Green (18%)

Blue (4%)



Red (4%)

Yellow (18%)

Blue (14%)

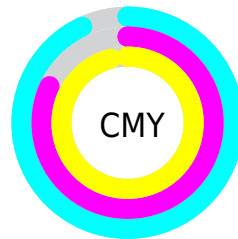


Cyan (60%)

Magenta (0%)

Yellow (80%)

Black (82%)



Cyan (93%)

Magenta (82%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 122D09 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 122D09 by changing the saturation by 10% instead.



 122D09

 122D09

 F8FFEA

 001A00

 3F5B35

 000000

 57744C

 708D64

 89A87D

 A4C397

 BFD FB2

 DBFCCE

 122D09

 122D09

■ 0F2D04

■ 152D0E

■ 0B2D00

■ 192D12

■ 1C2D17

■ 202D1B

■ 232D20

■ 262D24

■ 2A2D29

■ 2D2D2D

■ 302D32

# Harmonies

## Analogous

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



292900



122D09



002F1D

# Triad

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



122D09



002C4B



49151E

# Complementary

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



122D09



24092D

# 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.



441631



122D09



13264B

# Square

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



122D09



002F41



341E41



441B0C

# Rectangle

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



122D09



00302A



341E41



481425



# Sweetspot

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



122D09



303B2D



2D2409



181F16



9E9E9E



1F1F1F



# Same Dimension

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



122D09



103B02



092D12



151715



165700



36D600



# Inverse Universe

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



24092D



2D023B



2D0924



161517



410057

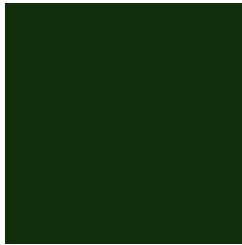


A100D6



# Previews

## White Background



This preview shows how the Hex color 122D09 looks on a white background.

## Color Contrast Check

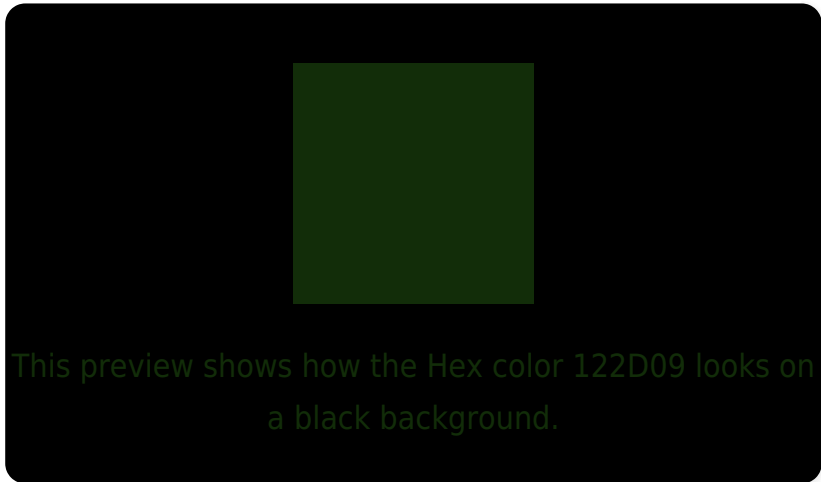
Large Text (above 18pt) WCAG AA ✓ Pass

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

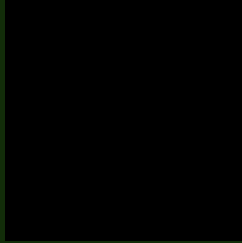
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 122D09 Background



This preview shows how black text looks on a background with the Hex color 122D09.



This preview shows how white text looks on a background with the Hex color 122D09.

# 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](#).

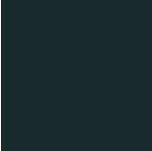
## Dichromacy



**Original Color**  
122D09

**Protanopia**  
2C2708

**Deuteranopia**  
31250D



**Tritanopia**  
192A2D

# Trichromacy



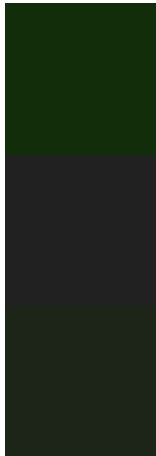
**Original Color**  
122D09

**Protanomaly**  
232908

**Deuteranomaly**  
26280C

**Tritanomaly**  
162B20

# Monochromacy



**Original Color**  
122D09

**Achromatopsia**  
212121

**Achromatomaly**  
1C2518

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 122D09 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 #122D09 looks like.

```
.text, #text, p{  
    color:#122D09  
}
```

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 #122D09 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #122D09
}
```

## Border

The CSS property to change the border of an element to Hex 122D09 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".

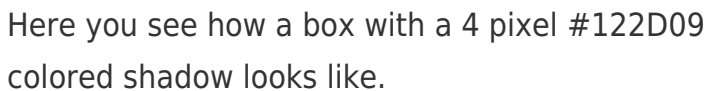
```
.border, #border, table{ border:4px solid
#122D09 }
```

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

```
.border{ border-color:#122D09 }
```

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

Here you see how a box with a 4 pixel #122D09 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #122D09; -webkit-box-shadow:4px 4px  
4px 4px #122D09; box-shadow:4px 4px 4px  
4px #122D09 }
```

# Background

The CSS property to change the background color of an element to Hex 122D09 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#122D09 }
```

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

```
.background{ background-color:#122D09 }
```

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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