

# Converting Colors

Hex(125A12)

Have a look what the booklet for  
Hex(125A12) contains.

<b>Hex(125A12)</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(125A12)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	125A12
RGB	18, 90, 18
RGB Percent	7%, 35%, 7%
CMY	0.9294, 0.6471, 0.9294
CMYK	0.80, 0.00, 0.80, 0.65
HSL	120°, 67%, 21%
HSV	120°, 80%, 35%
XYZ	4.0148, 7.4846, 1.8053
YIQ	60.2640, -19.8000, -37.6560

# Conversions

## Conversions Part 2

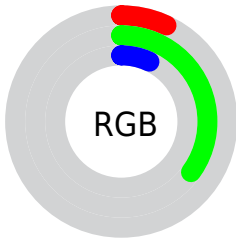
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 90, 90
Decimal	1202706
CIE <sub>Lab</sub>	32.89, -36.58, 33.29
CIE <sub>LCh</sub>	33, 49.459, 137.700
Yxy	7.4846, 0.3018, 0.5626
Android (android.graphics.Color)	4279392786 (0xFF125A12)
YUV	60.2640, -20.8362, -37.0655
Hunter-Lab	27.3580, -21.6815, 15.2381

# Details

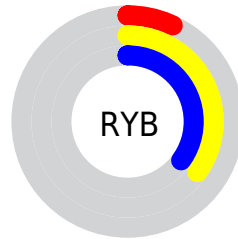
The Hex color **125A12** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5A125A**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **4B8D42**, and **002B00** is the 20% darker color. If you saturate the color by 10%, you get **095A09**, and if you desaturate by 10%, it is **1B5A1B**.

# Distribution



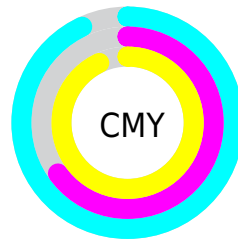
- Red (7%)
- Green (35%)
- Blue (7%)



- Red (7%)
- Yellow (35%)
- Blue (35%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (65%)



- Cyan (93%)
- Magenta (65%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 125A12 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 125A12 by changing the saturation by 10% instead.





125A12



125A12

FFFFFFD



004200



4B8D42



002B00



65A85B



001200



80C374



000000



9CDF8E



B7FCA9



D4FFC4



F1FFE1



125A12



125A12

■ 095A09

■ 1B5A1B

■ 005A00

■ 245A24

■ 2D5A2D

■ 365A36

■ 3F5A3F

■ 485A48

■ 515A51

■ 5A5A5A

■ 635A63

# Harmonies

## Analogous

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



495300



125A12



005E3B

# Triad

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



125A12



00579A



912238

# Complementary

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



125A12



5A125A

# 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.



8A235F



125A12



204A98

# Square

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



125A12



005D87



6B3782



853413

# Rectangle

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



125A12



005F57



6B3782



911F45



# Sweetspot

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



125A12



597559



5A5A12



2A3B2A



BABABA



3B3B3B



# Same Dimension

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



125A12



057505



125A36



292E29



006E00



00ED00



# Inverse Universe

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



5A125A



750575



5A1236



2E292E



6E006E

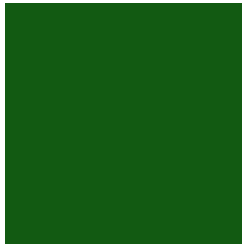


ED00ED



# Previews

## White Background



This preview shows how the Hex color 125A12 looks on a white background.

## Color Contrast Check

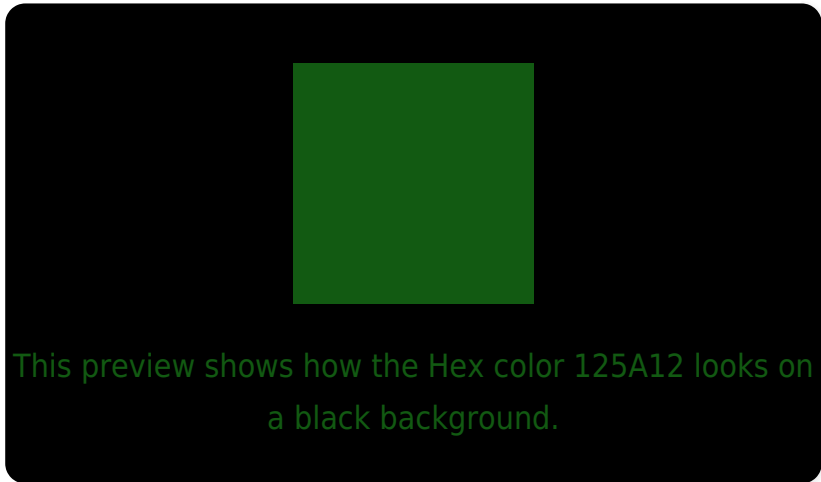
Large Text (above 18pt) WCAG AA ✓ Pass

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

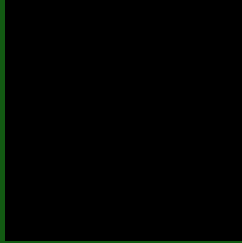
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 125A12 Background



This preview shows how black text looks on a background with the Hex color 125A12.



This preview shows how white text looks on a background with the Hex color 125A12.

# 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**  
125A12

**Protanopia**  
574D0F

**Deuteranopia**  
61491A



**Tritanopia**  
29545B

# Trichromacy



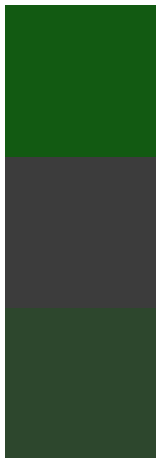
**Original Color**  
125A12

**Protanomaly**  
3E5210

**Deuteranomaly**  
444F17

**Tritanomaly**  
215640

# Monochromacy



**Original Color**  
125A12

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
2D472D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 125A12 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 #125A12 looks like.

```
.text, #text, p{  
    color:#125A12  
}
```

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 #125A12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #125A12
}
```

## Border

The CSS property to change the border of an element to Hex 125A12 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
#125A12 }
```

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

```
.border{ border-color:#125A12 }
```

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

Here you see how a box with a 4 pixel #125A12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #125A12; -webkit-box-shadow:4px 4px  
4px 4px #125A12; box-shadow:4px 4px 4px  
4px #125A12 }
```

# Background

The CSS property to change the background color of an element to Hex 125A12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#125A12 }
```

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

```
.background{ background-color:#125A12 }
```

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