

# Converting Colors

Hex(A45C12)

Have a look what the booklet for  
Hex(A45C12) contains.

<b>Hex(A45C12)</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(A45C12)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A45C12
RGB	164, 92, 18
RGB Percent	64%, 36%, 7%
CMY	0.3569, 0.6392, 0.9294
CMYK	0.00, 0.44, 0.89, 0.36
HSL	30°, 80%, 36%
HSV	30°, 89%, 64%
XYZ	19.2462, 15.5905, 2.5671
YIQ	105.0920, 66.6660, -7.7500

# Conversions

## Conversions Part 2

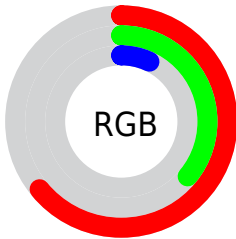
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 164, 18
Decimal	10771474
CIE Lab	46.43, 24.50, 50.29
CIE LCh	46, 55.945, 64.023
Yxy	15.5905, 0.5146, 0.4168
Android (android.graphics.Color)	4288961554 (0xFFA45C12)
YUV	105.0920, -42.9364, 51.6623
Hunter-Lab	39.4848, 17.9084, 23.7845

# Details

The Hex color **A45C12** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **125AA4**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **E08F46**, and **6A2D00** is the 20% darker color. If you saturate the color by 10%, you get **A45402**, and if you desaturate by 10%, it is **A46422**.

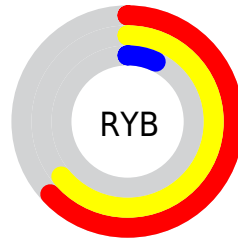
# Distribution



Red (64%)

Green (36%)

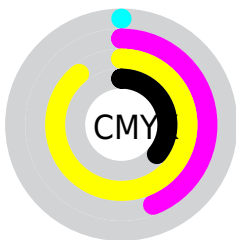
Blue (7%)



Red (63%)

Yellow (64%)

Blue (7%)

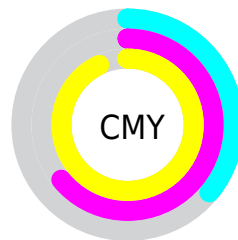


Cyan (0%)

Magenta (44%)

Yellow (89%)

Black (36%)



Cyan (36%)

Magenta (64%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A45C12 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 A45C12 by changing the saturation by 10% instead.



 A45C12

 A45C12

FFFFFF

 874400

 E08F46

 6A2D00

 FFA95F

 4E1700

 FFC579

 330100

 FFE194

 140000

 FFFEAF

 000000

 FFFF CB

 FFFF E8

 A45C12

 A45C12

■ A45402

■ A46422

■ A45300

■ A46C33

■ A47443

■ A47C54

■ A48464

■ A48D74

■ A49585

■ A49D95

■ A4A5A6

# Harmonies

## Analogous

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



BC473C



A45C12



7E6E00

# Triad

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



A45C12



008373



765FBC

# Complementary

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



A45C12



125AA4

# 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.



0072CC



A45C12



0083A1

# Square

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



A45C12



008142



007EC2



AB4898

# Rectangle

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



A45C12



607702



007EC2



5A66C4



# Sweetspot

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



A45C12



D6BA9C



A4125B



6B5A49



EBEBEB



6B6B6B



# Same Dimension

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



A45C12



D66D00



A4A412



524E49



914A00



120900



# Inverse Universe

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



125AA4



006AD6



1212A4



494D52



004891



000912



# Previews

## White Background



This preview shows how the Hex color A45C12 looks on a white background.

## Color Contrast Check

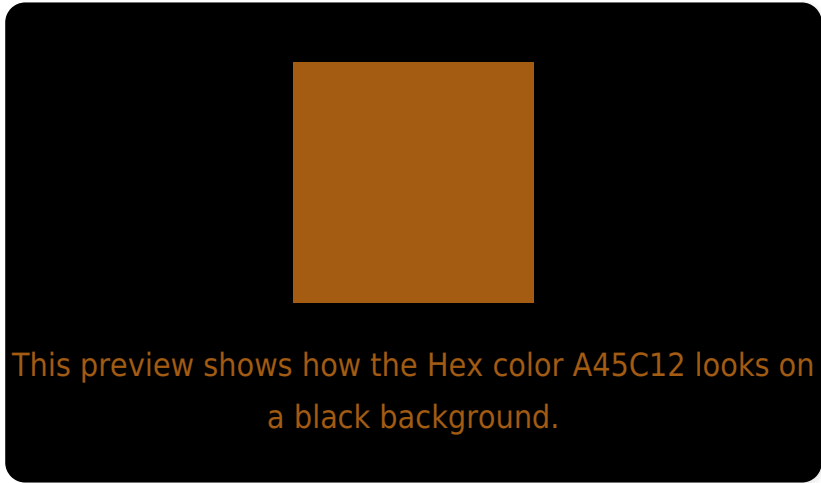
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

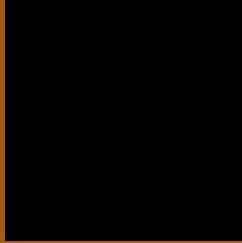
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex A45C12 Background



This preview shows how black text looks on a background with the Hex color A45C12.



This preview shows how white text looks on a background with the Hex color A45C12.

# 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**  
A45C12

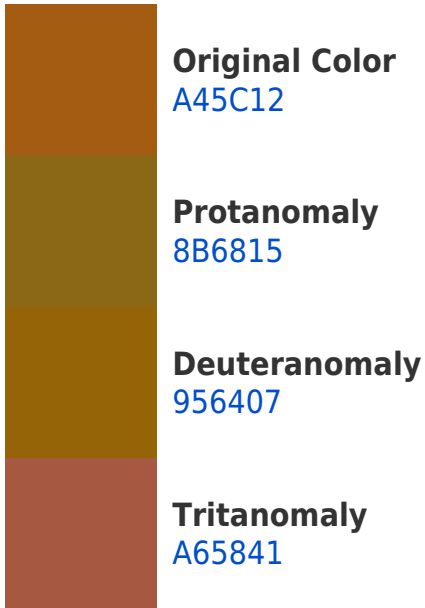
**Protanopia**  
7C6F17

**Deuteranopia**  
8C6900

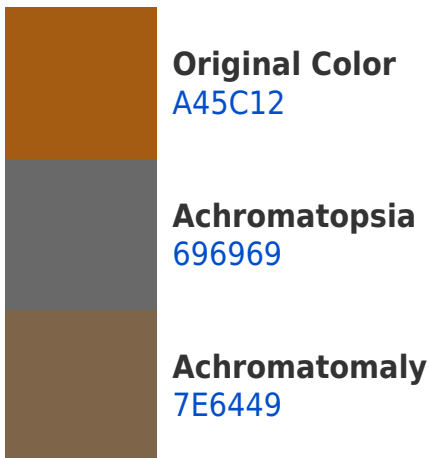


**Tritanopia**  
A7565C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex A45C12 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 #A45C12 looks like.

```
.text, #text, p{  
    color:#A45C12  
}
```

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 #A45C12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A45C12
}
```

## Border

The CSS property to change the border of an element to Hex A45C12 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
#A45C12 }
```

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

```
.border{ border-color:#A45C12 }
```

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

Here you see how a box with a 4 pixel #A45C12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A45C12; -webkit-box-shadow:4px 4px  
4px 4px #A45C12; box-shadow:4px 4px 4px  
4px #A45C12 }
```

# Background

The CSS property to change the background color of an element to Hex A45C12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A45C12 }
```

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

```
.background{ background-color:#A45C12 }
```

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