

# Converting Colors

Hex(583B12)

Have a look what the booklet for  
Hex(583B12) contains.

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**Color**

**Hex(583B12)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	583B12
RGB	88, 59, 18
RGB Percent	35%, 23%, 7%
CMY	0.6549, 0.7686, 0.9294
CMYK	0.00, 0.33, 0.80, 0.65
HSL	35°, 66%, 21%
HSV	35°, 80%, 35%
XYZ	5.6976, 5.2463, 1.2846
YIQ	62.9970, 30.4450, -6.6030

# Conversions

## Conversions Part 2

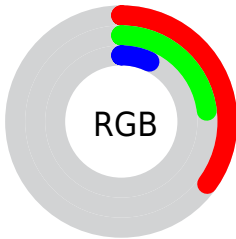
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 88, 18
Decimal	5782290
CIE <sub>Lab</sub>	27.43, 8.51, 29.34
CIE <sub>LCh</sub>	27, 30.549, 73.833
Yxy	5.2463, 0.4659, 0.4290
Android (android.graphics.Color)	4283972370 (0xFF583B12)
YUV	62.9970, -22.1835, 21.9276
Hunter-Lab	22.9048, 4.3190, 12.7081

# Details

The Hex color **583B12** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **122F58**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **8D6A3F**, and **261100** is the 20% darker color. If you saturate the color by 10%, you get **583709**, and if you desaturate by 10%, it is **583F1B**.

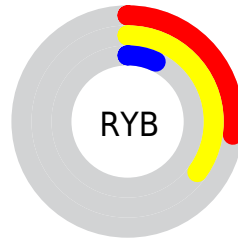
# Distribution



Red (35%)

Green (23%)

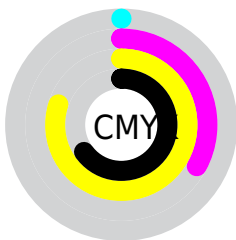
Blue (7%)



Red (27%)

Yellow (35%)

Blue (7%)

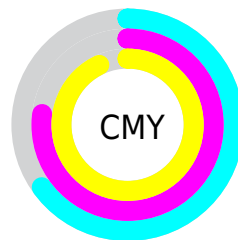


Cyan (0%)

Magenta (33%)

Yellow (80%)

Black (65%)



Cyan (65%)

Magenta (77%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 583B12 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 583B12 by changing the saturation by 10% instead.



 583B12

 583B12

 FFFFF8

 402500

 8D6A3F

 261100

 A88357

 000000

 C59D70

 E1B889

 FFD4A4

 FFF0BF

 FFFFDB

 583B12

 583B12

■ 583709

■ 583F1B

■ 583400

■ 584224

■ 58462C

■ 584A35

■ 584D3E

■ 585147

■ 585550

■ 585858

■ 585C61

# Harmonies

## Analogous

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



673221



583B12



434310

# Triad

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



583B12



004C4B



503663

# Complementary

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



583B12



122F58

# 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.



2A406E



583B12



004B61

# Square

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



583B12



004B33



00476E



652E4E

# Rectangle

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



583B12



334717



00476E



463968



# Sweetspot

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



583B12



736757



58122F



3B342A



BABABA



3B3B3B



# Same Dimension

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



583B12



734606



525812



2B2A27



6B3F00



EB8900



# Inverse Universe

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



122F58



063373



181258



27292B



002C6B



0061EB



# Previews

## White Background



This preview shows how the Hex color 583B12 looks on a white background.

## Color Contrast Check

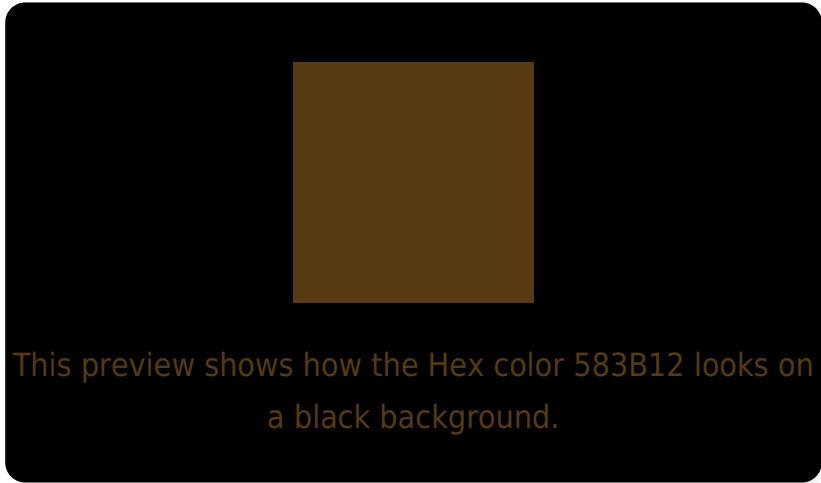
Large Text (above 18pt) WCAG AA ✓ Pass

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

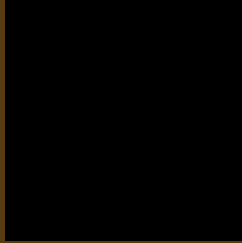
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 583B12 Background



This preview shows how black text looks on a background with the Hex color 583B12.



This preview shows how white text looks on a background with the Hex color 583B12.

# 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**  
583B12

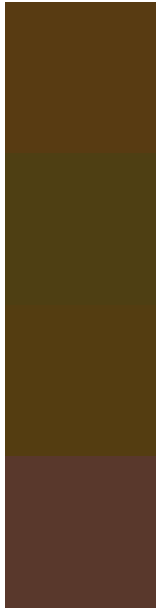
**Protanopia**  
494114

**Deuteranopia**  
523E11



**Tritanopia**  
5A373B

# Trichromacy



**Original Color**  
583B12

**Protanomaly**  
4E3F13

**Deuteranomaly**  
543D11

**Tritanomaly**  
59382C

# Monochromacy



**Original Color**  
583B12

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
483E2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 583B12 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 #583B12 looks like.

```
.text, #text, p{  
    color:#583B12  
}
```

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 #583B12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #583B12
}
```

## Border

The CSS property to change the border of an element to Hex 583B12 is called "border". The border property can be set on classes, ids or directly on the HTML element.

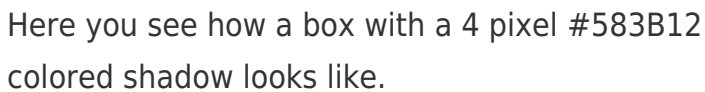
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#583B12 }
```

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

```
.border{ border-color:#583B12 }
```

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



Here you see how a box with a 4 pixel #583B12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #583B12; -webkit-box-shadow:4px 4px  
4px 4px #583B12; box-shadow:4px 4px 4px  
4px #583B12 }
```

# Background

The CSS property to change the background color of an element to Hex 583B12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#583B12 }
```

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

```
.background{ background-color:#583B12 }
```

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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