

# Converting Colors

Hex(584B12)

Have a look what the booklet for  
Hex(584B12) contains.

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**Color**

**Hex(584B12)**

# Conversions

## Conversions Part 1

Format	Color
Hex	584B12
RGB	88, 75, 18
RGB Percent	35%, 29%, 7%
CMY	0.6549, 0.7059, 0.9294
CMYK	0.00, 0.15, 0.80, 0.65
HSL	49°, 66%, 21%
HSV	49°, 80%, 35%
XYZ	6.6498, 7.1505, 1.6020
YIQ	72.3890, 26.0450, -14.9710

# Conversions

## Conversions Part 2

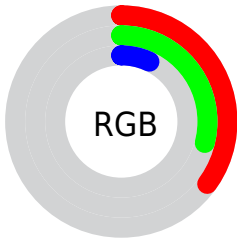
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 88, 18
Decimal	5786386
CIELab	32.15, -1.50, 34.00
CIElCh	32, 34.038, 92.531
Yxy	7.1505, 0.4317, 0.4643
Android (android.graphics.Color)	4283976466 (0xFF584B12)
YUV	72.3890, -26.8138, 13.6908
Hunter-Lab	26.7405, -2.4069, 15.1664

# Details

The Hex color **584B12** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **121F58**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **8C7B41**, and **272000** is the 20% darker color. If you saturate the color by 10%, you get **584909**, and if you desaturate by 10%, it is **584D1B**.

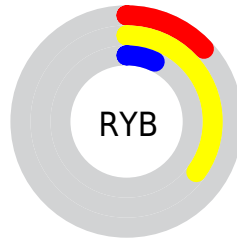
# Distribution



Red (35%)

Green (29%)

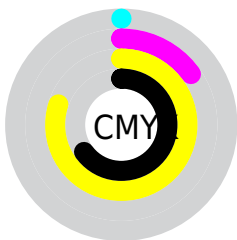
Blue (7%)



Red (13%)

Yellow (35%)

Blue (7%)

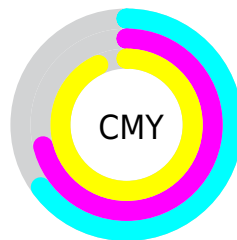


Cyan (0%)

Magenta (15%)

Yellow (80%)

Black (65%)



Cyan (65%)

Magenta (71%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 584B12 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 584B12 by changing the saturation by 10% instead.



 584B12

 584B12

 FFFFFB

 3F3500

 8C7B41

 272000

 A89559

 080900

 C4B072

 000000

 E0CB8C

 FDE7A7

 FFFFC3

 FFFFDF

 584B12

 584B12

■ 584909

■ 584D1B

■ 584800

■ 584E24

■ 58502C

■ 585235

■ 58533E

■ 585547

■ 585650

■ 585858

■ 585A61

# Harmonies

## Analogous

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



6D411C



584B12



3D521C

# Triad

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



584B12



005868



6E3965

# Complementary

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



584B12



121F58

# 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.



504479



584B12



00557B

# Square

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



584B12



00594D



134E81



7C334A

# Rectangle

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



584B12



25562A



134E81



663C6C



# Sweetspot

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



584B12



736E57



581220



3B372A



BABABA



3B3B3B



# Same Dimension

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



584B12



735F06



435812



2B2B27



6B5700



EBBF00



# Inverse Universe

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



121F58



061A73



271258



27282B



00146B

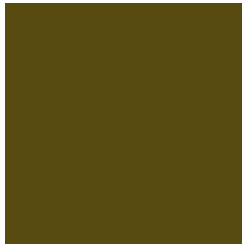


002CEB



# Previews

## White Background



This preview shows how the Hex color 584B12 looks on a white background.

## Color Contrast Check

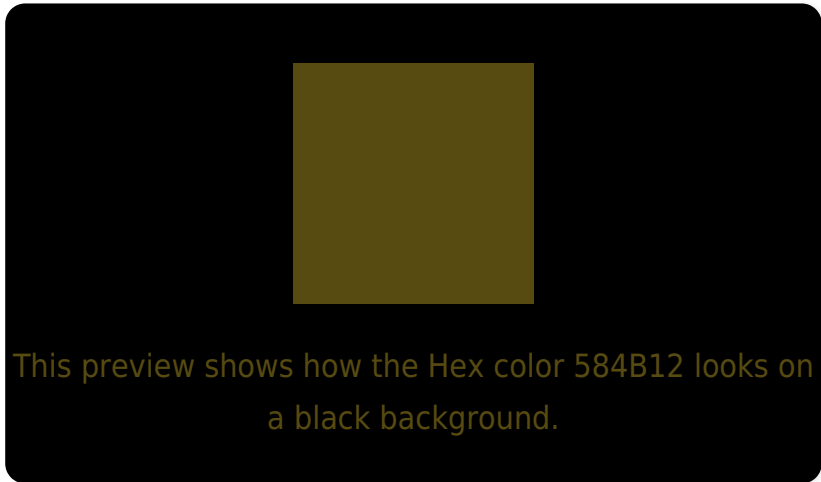
Large Text (above 18pt) WCAG AA ✓ Pass

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

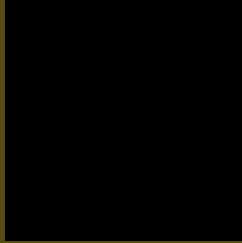
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 584B12 Background



This preview shows how black text looks on a background with the Hex color 584B12.



This preview shows how white text looks on a background with the Hex color 584B12.

# 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**  
584B12

**Protanopia**  
554C12

**Deuteranopia**  
5F4813



**Tritanopia**  
5C464B

# Trichromacy



**Original Color**  
584B12

**Protanomaly**  
564C12

**Deuteranomaly**  
5C4913

**Tritanomaly**  
5B4836

# Monochromacy



**Original Color**  
584B12

**Achromatopsia**  
484848

**Achromatomaly**  
4E4934

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 584B12 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 #584B12 looks like.

```
.text, #text, p{  
    color:#584B12  
}
```

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 #584B12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #584B12
}
```

## Border

The CSS property to change the border of an element to Hex 584B12 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
#584B12 }
```

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

```
.border{ border-color:#584B12 }
```

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

Here you see how a box with a 4 pixel #584B12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #584B12; -webkit-box-shadow:4px 4px  
4px 4px #584B12; box-shadow:4px 4px 4px  
4px #584B12 }
```

# Background

The CSS property to change the background color of an element to Hex 584B12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#584B12 }
```

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

```
.background{ background-color:#584B12 }
```

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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