

# Converting Colors

Hex(B0580D)

Have a look what the booklet for  
Hex(B0580D) contains.

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**Color**

**Hex(B0580D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0580D
RGB	176, 88, 13
RGB Percent	69%, 35%, 5%
CMY	0.3098, 0.6549, 0.9490
CMYK	0.00, 0.50, 0.93, 0.31
HSL	28°, 86%, 37%
HSV	28°, 93%, 69%
XYZ	21.4669, 16.2386, 2.3837
YIQ	105.7620, 76.5230, -4.6690

# Conversions

## Conversions Part 2

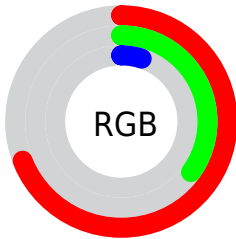
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 152, 13
Decimal	11556877
CIE <sub>Lab</sub>	47.29, 31.71, 53.16
CIE <sub>LCh</sub>	47, 61.903, 59.186
Yxy	16.2386, 0.5355, 0.4051
Android (android.graphics.Color)	4289746957 (0xFFB0580D)
YUV	105.7620, -45.7317, 61.5987
Hunter-Lab	40.2972, 24.5694, 24.7008

# Details

The Hex color **B0580D** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **0D65B0**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **ED8B43**, and **752800** is the 20% darker color. If you saturate the color by 10%, you get **B05100**, and if you desaturate by 10%, it is **B0621F**.

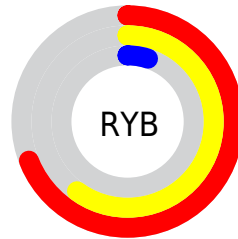
# Distribution



Red (69%)

Green (35%)

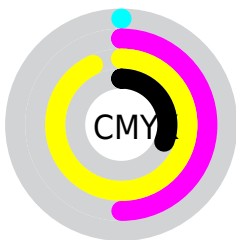
Blue (5%)



Red (69%)

Yellow (60%)

Blue (5%)

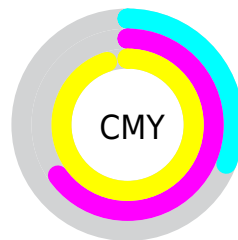


Cyan (0%)

Magenta (50%)

Yellow (93%)

Black (31%)



Cyan (31%)

Magenta (65%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B0580D 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 B0580D by changing the saturation by 10% instead.



 B0580D

 B0580D

FFFFFF

 924000

 ED8B43

 752800

 FFA65C

 570F00

 FFC176

 3B0000

 FFDE91

 220001

 FFFAAC

 000000

 FFFFC8

 FFFFEE

 B0580D

 B0580D

■ B05100

■ B0621F

■ B06B30

■ B07542

■ B07E53

■ B08865

■ B09177

■ B09B88

■ B0A49A

■ B0AEAB

# Harmonies

## Analogous

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



C83F41



B0580D



896D00

# Triad

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



B0580D



00876D



6963CC

# Complementary

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



B0580D



0D65B0

# 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.



0077D9



B0580D



0087A2

# Square

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



B0580D



008437



0083CA



AC48A6

# Rectangle

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



B0580D



687800



0083CA



406BD3



# Sweetspot

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



B0580D



E6C3A5



B00D67



735E4C



F2F2F2



737373



# Same Dimension

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



B0580D



E66A00



B0A80D



595450



994600



1A0C00



# Inverse Universe

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



0D65B0



007CE6



0D15B0



505559



005399



000E1A



# Previews

## White Background



This preview shows how the Hex color B0580D looks on a white background.

## Color Contrast Check

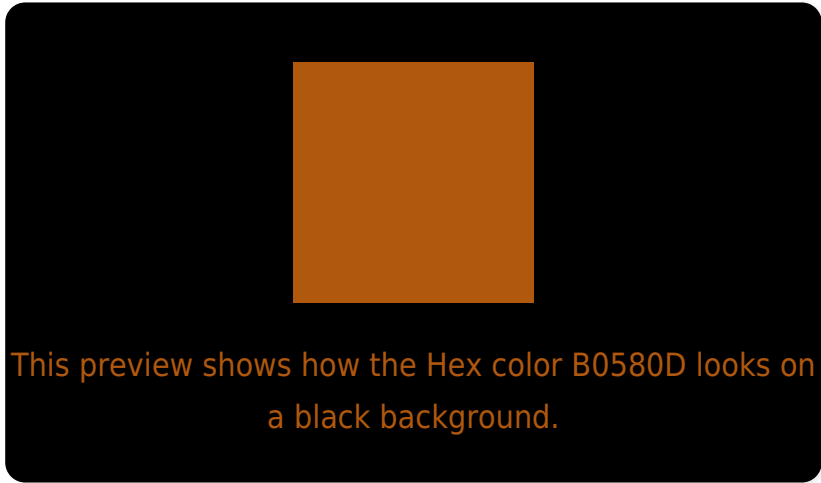
Large Text (above 18pt) WCAG AA ✓ Pass

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 B0580D Background



This preview shows how black text looks on a background with the Hex color B0580D.



This preview shows how white text looks on a background with the Hex color B0580D.

# 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**  
B0580D

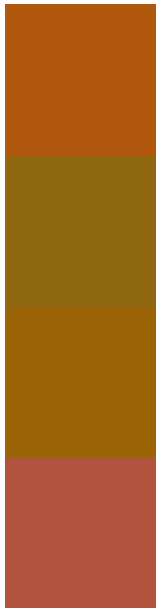
**Protanopia**  
7F7115

**Deuteranopia**  
8F6B00



**Tritanopia**  
B35258

# Trichromacy



**Original Color**  
B0580D

**Protanomaly**  
916812

**Deuteranomaly**  
9B6405

**Tritanomaly**  
B2543D

# Monochromacy



**Original Color**  
B0580D

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
836348

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B0580D 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 #B0580D looks like.

```
.text, #text, p{  
    color:#B0580D  
}
```

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 #B0580D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0580D }  
}
```

## Border

The CSS property to change the border of an element to Hex B0580D is called "border". The border property can be set on classes, ids or directly on the HTML element.

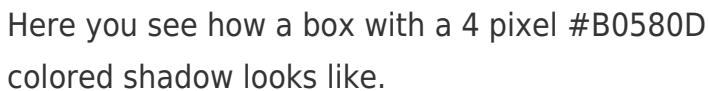
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #B0580D }  
}
```

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

```
.border{ border-color:#B0580D }
```

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

A rectangular box with a 4-pixel orange shadow. The box is white with a thin orange border. The shadow is a solid orange color, 4 pixels wide and 4 pixels high, extending from the bottom and right sides of the box.

Here you see how a box with a 4 pixel #B0580D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0580D; -webkit-box-shadow:4px 4px  
4px 4px #B0580D; box-shadow:4px 4px 4px  
4px #B0580D }
```

# Background

The CSS property to change the background color of an element to Hex B0580D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0580D }
```

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

```
.background{ background-color:#B0580D }
```

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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