

# Converting Colors

Hex(B05000)

Have a look what the booklet for  
Hex(B05000) contains.

<b>Hex(B05000)</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(B05000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B05000
RGB	176, 80, 0
RGB Percent	69%, 31%, 0%
CMY	0.3098, 0.6863, 1.0000
CMYK	0.00, 0.55, 1.00, 0.31
HSL	27°, 100%, 35%
HSV	27°, 100%, 69%
XYZ	20.7732, 14.9674, 1.7941
YIQ	99.5840, 82.8960, -4.5280

# Conversions

## Conversions Part 2

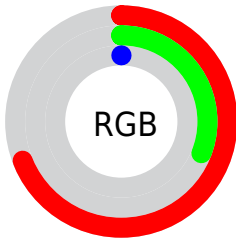
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 147, 0
Decimal	11554816
CIELab	45.59, 35.71, 55.30
CIElCh	46, 65.822, 57.148
Yxy	14.9674, 0.5534, 0.3988
Android (android.graphics.Color)	4289744896 (0xFFB05000)
YUV	99.5840, -49.0949, 67.0168
Hunter-Lab	38.6878, 28.1409, 24.3319

# Details

The Hex color **B05000** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **0060B0**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **EE833B**, and **741E00** is the 20% darker color. If you saturate the color by 10%, you get **B05000**, and if you desaturate by 10%, it is **B05A12**.

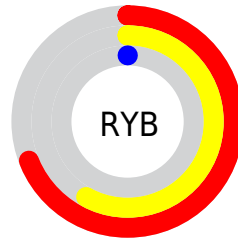
# Distribution



Red (69%)

Green (31%)

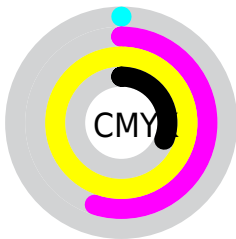
Blue (0%)



Red (69%)

Yellow (58%)

Blue (0%)

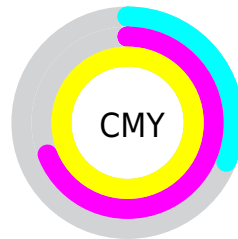


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (69%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B05000 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 B05000 by changing the saturation by 10% instead.



 B05000

 B05000

 FFFFF8

 923700

 EE833B

 741E00

 FF9E54

 560200

 FFB96E

 3B0000

 FFD588

 1E0001

 FFF2A3

 000000

 FFFFBF

 FFFFDB

 B05000

 B05A12

 B06323

 B06D35

 B07646

 B08058

 B08A6A

 B0937B

 B09D8D

 B0A69E

# Harmonies

## Analogous

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



C8333E



B05000



876800

# Triad

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



B05000



008365



5A60CF

# Complementary

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



B05000



0060B0

# 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.



0075DB



B05000



00849D

# Square

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



B05000



00802B



0080C8



A842A9

# Rectangle

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



B05000



667300



0080C8



1C68D6



# Sweetspot

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



B05000



E6C0A1



B00061



735C49



F2F2F2



737373



# Same Dimension

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



B05000



E66800



B0A700



595450



994600



1A0C00



# Inverse Universe

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



0060B0



007DE6



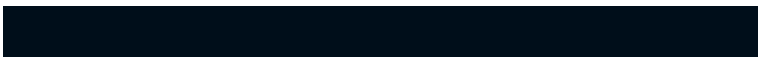
0009B0



505559



005399



000E1A



# Previews

## White Background



This preview shows how the Hex color B05000 looks on a white background.

## Color Contrast Check

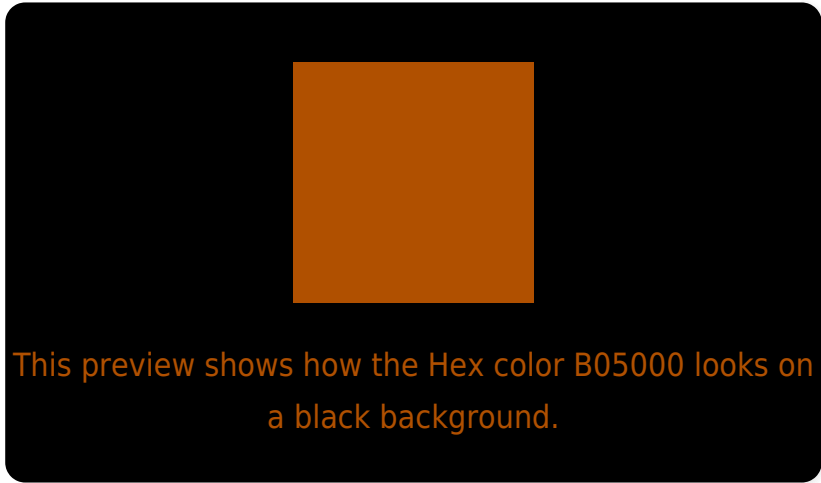
Large Text (above 18pt) WCAG AA ✓ Pass

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 B05000 Background



This preview shows how black text looks on a background with the Hex color B05000.



This preview shows how white text looks on a background with the Hex color B05000.

# 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**  
B05000

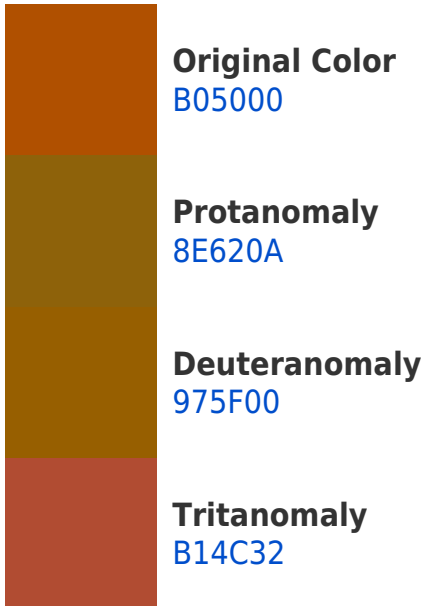
**Protanopia**  
7B6D10

**Deuteranopia**  
896700

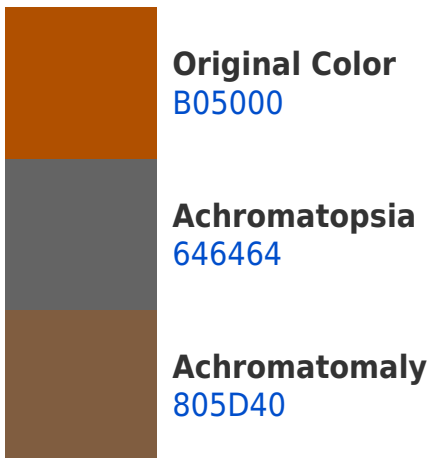


**Tritanopia**  
B24A4F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B05000 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 #B05000 looks like.

```
.text, #text, p{  
    color:#B05000  
}
```

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 #B05000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B05000
}
```

## Border

The CSS property to change the border of an element to Hex B05000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

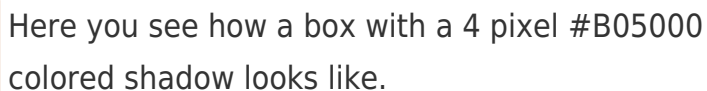
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B05000 }
```

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

```
.border{ border-color:#B05000 }
```

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



Here you see how a box with a 4 pixel #B05000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B05000; -webkit-box-shadow:4px 4px  
4px 4px #B05000; box-shadow:4px 4px 4px  
4px #B05000 }
```

# Background

The CSS property to change the background color of an element to Hex B05000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B05000 }
```

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

```
.background{ background-color:#B05000 }
```

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