

# Converting Colors

Hex(B45B05)

Have a look what the booklet for  
Hex(B45B05) contains.

<b>Hex(B45B05)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(B45B05)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B45B05
RGB	180, 91, 5
RGB Percent	71%, 36%, 2%
CMY	0.2941, 0.6431, 0.9804
CMYK	0.00, 0.49, 0.97, 0.29
HSL	29°, 95%, 36%
HSV	29°, 97%, 71%
XYZ	22.5909, 17.1964, 2.2722
YIQ	107.8070, 80.6500, -7.8780

# Conversions

## Conversions Part 2

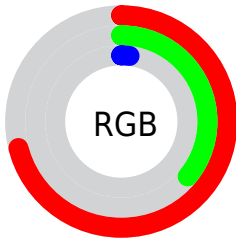
Format	Color
<b>RYB</b>	180, 174, 5
Decimal	11819781
CIELab	48.51, 31.67, 56.16
CIELCh	49, 64.472, 60.576
Yxy	17.1964, 0.5371, 0.4089
Android (android.graphics.Color)	4290009861 (0xFFB45B05)
YUV	107.8070, -50.6839, 63.3133
Hunter-Lab	41.4686, 24.6716, 25.7794

# Details

The Hex color **B45B05** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **055EB4**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **F28E40**, and **782B00** is the 20% darker color. If you saturate the color by 10%, you get **B45800**, and if you desaturate by 10%, it is **B46417**.

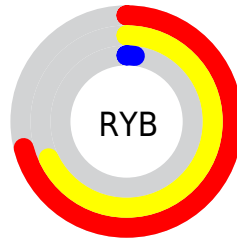
# Distribution



Red (71%)

Green (36%)

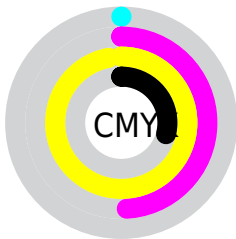
Blue (2%)



Red (71%)

Yellow (68%)

Blue (2%)

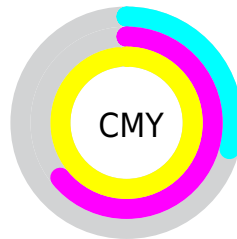


Cyan (0%)

Magenta (49%)

Yellow (97%)

Black (29%)



Cyan (29%)

Magenta (64%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B45B05 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 B45B05 by changing the saturation by 10% instead.



 B45B05

 B45B05

FFFFFF

 964200

 F28E40

 782B00

 FFA959

 5B1200

 FFC573

 3F0000

 FFE18E

 270001

 FFFEA9

 000000

 FFFFC5

 FFFFEE

 B45B05

 B45B05

■ B45800

■ B46417

■ B46D29

■ B4763B

■ B4804D

■ B4895F

■ B49271

■ B49B83

■ B4A495

■ B4ADA7

# Harmonies

## Analogous

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



CE403F



B45B05



8A7100

# Triad

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



B45B05



008B73



7064D2

# Complementary

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



B45B05



055EB4

# 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.



007AE1



B45B05



008BA9

# Square

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



B45B05



00883A



0086D2



B448AA

# Rectangle

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



B45B05



687C00



0086D2



476CDA



# Sweetspot

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



B45B05



EBC8A7



B4055F



75604C



F5F5F5



757575



# Same Dimension

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



B45B05



EB7300



B4B105



595550



994B00



1A0D00



# Inverse Universe

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



055EB4



0077EB



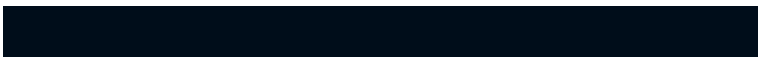
0508B4



505559



004E99



000D1A



# Previews

## White Background



This preview shows how the Hex color B45B05 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 B45B05 Background



This preview shows how black text looks on a background with the Hex color B45B05.



This preview shows how white text looks on a background with the Hex color B45B05.

# 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**  
B45B05

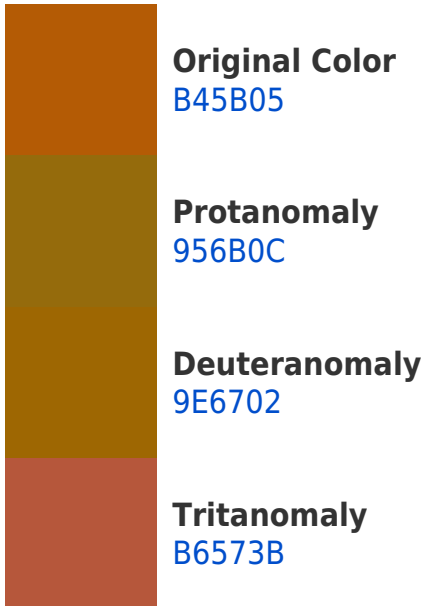
**Protanopia**  
837410

**Deuteranopia**  
926E00



**Tritanopia**  
B7555A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B45B05 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 #B45B05 looks like.

```
.text, #text, p{  
    color:#B45B05  
}
```

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 #B45B05 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B45B05
}
```

## Border

The CSS property to change the border of an element to Hex B45B05 is called "border". The border property can be set on classes, ids or directly on the HTML element.

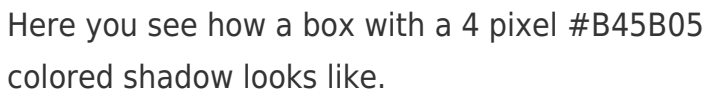
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B45B05 }
```

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

```
.border{ border-color:#B45B05 }
```

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

A rectangular box with a 4px 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 #B45B05 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B45B05; -webkit-box-shadow:4px 4px  
4px 4px #B45B05; box-shadow:4px 4px 4px  
4px #B45B05 }
```

# Background

The CSS property to change the background color of an element to Hex B45B05 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B45B05 }
```

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

```
.background{ background-color:#B45B05 }
```

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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