

# Converting Colors

Hex(BD5500)

Have a look what the booklet for  
Hex(BD5500) contains.

<b>Hex(BD5500)</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(BD5500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD5500
RGB	189, 85, 0
RGB Percent	74%, 33%, 0%
CMY	0.2588, 0.6667, 1.0000
CMYK	0.00, 0.55, 1.00, 0.26
HSL	27°, 100%, 37%
HSV	27°, 100%, 74%
XYZ	24.2348, 17.3158, 2.0650
YIQ	106.4060, 89.2690, -4.3870

# Conversions

## Conversions Part 2

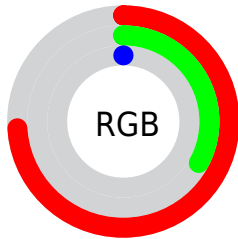
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 154, 0
Decimal	12408064
CIELab	48.66, 38.37, 58.14
CIElCh	49, 69.659, 56.577
Yxy	17.3158, 0.5556, 0.3970
Android (android.graphics.Color)	4290598144 (0xFFBD5500)
YUV	106.4060, -52.4582, 72.4349
Hunter-Lab	41.6123, 31.1360, 26.1864

# Details

The Hex color **BD5500** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **0068BD**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **FC893C**, and **802200** is the 20% darker color. If you saturate the color by 10%, you get **BD5500**, and if you desaturate by 10%, it is **BD5F13**.

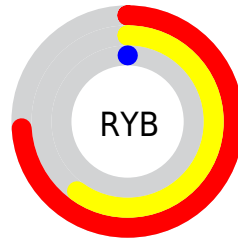
# Distribution



Red (74%)

Green (33%)

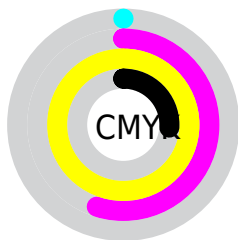
Blue (0%)



Red (74%)

Yellow (60%)

Blue (0%)

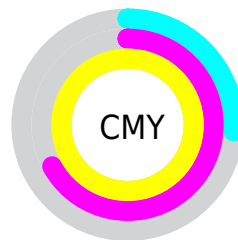


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (67%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD5500 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 BD5500 by changing the saturation by 10% instead.



 BD5500

 BD5500

 FFFFFB

 9E3C00

 FC893C

 802200

 FFA456

 620400

 FFBF70

 450000

 FFDC8B

 2D0001

 FFF9A6

 000000

 FFFFC2

 FFFFDE

 BD5500

 BD5F13

 BD6A26

 BD7439

 BD7F4C

 BD895F

 BD9371

 BD9E84

 BDA897

 BDB3AA

# Harmonies

## Analogous

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



D63543



BD5500



926F00

# Triad

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



BD5500



008D6B



5E67DE

# Complementary

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



BD5500



0068BD

# 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.



007DEA



BD5500



008DA7

# Square

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



BD5500



00882C



0089D6



B247B5

# Rectangle

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



BD5500



6E7B00



0089D6



1070E6



# Sweetspot

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



BD5500



F5CCAB



BD006B



7A624E



FAFAFA



7A7A7A



# Same Dimension

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



BD5500



F56E00



BDB000



5E5955



9E4700



1F0E00



# Inverse Universe

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



0068BD



0087F5



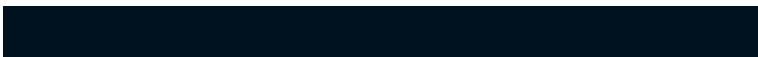
000DBD



555A5E



00579E



00111F



# Previews

## White Background



This preview shows how the Hex color BD5500 looks on a white background.

## Color Contrast Check

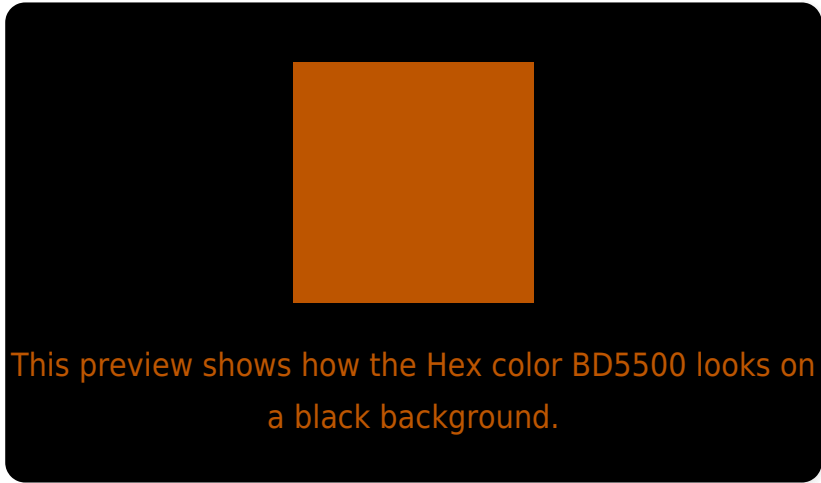
Large Text (above 18pt) WCAG AA ✓ Pass

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 BD5500 Background



This preview shows how black text looks on a background with the Hex color BD5500.



This preview shows how white text looks on a background with the Hex color BD5500.

# 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**  
BD5500

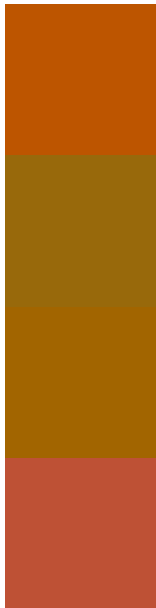
**Protanopia**  
837512

**Deuteranopia**  
936E00



**Tritanopia**  
BF4F54

# Trichromacy



**Original Color**  
BD5500

**Protanomaly**  
98690B

**Deuteranomaly**  
A26500

**Tritanomaly**  
BE5135

# Monochromacy



**Original Color**  
BD5500

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
886243

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD5500 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 #BD5500 looks like.

```
.text, #text, p{  
    color:#BD5500  
}
```

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 #BD5500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD5500
}
```

## Border

The CSS property to change the border of an element to Hex BD5500 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
#BD5500 }
```

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

```
.border{ border-color:#BD5500 }
```

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

Here you see how a box with a 4 pixel #BD5500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD5500; -webkit-box-shadow:4px 4px  
4px 4px #BD5500; box-shadow:4px 4px 4px  
4px #BD5500 }
```

# Background

The CSS property to change the background color of an element to Hex BD5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD5500 }
```

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

```
.background{ background-color:#BD5500 }
```

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