

# Converting Colors

Hex(B87333)

Have a look what the booklet for  
Hex(B87333) contains.

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**Color**

**Hex(B87333)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B87333
RGB	184, 115, 51
RGB Percent	72%, 45%, 20%
CMY	0.2784, 0.5490, 0.8000
CMYK	0.00, 0.38, 0.72, 0.28
HSL	29°, 57%, 46%
HSV	29°, 72%, 72%
XYZ	26.4954, 22.6908, 6.1153
YIQ	128.3350, 61.6680, -5.2760

# Conversions

## Conversions Part 2

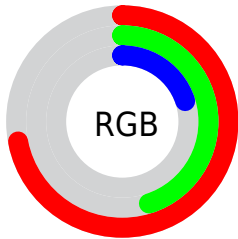
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 174, 51
Decimal	12088115
CIELab	54.75, 21.66, 45.40
CIELCh	55, 50.296, 64.496
Yxy	22.6908, 0.4791, 0.4103
Android (android.graphics.Color)	4290278195 (0xFFB87333)
YUV	128.3350, -38.1262, 48.8182
Hunter-Lab	47.6349, 15.9241, 25.7329

# Details

The Hex color **B87333** is a dark color, and the websafe version is hex **996633**, and the color name is **copper**. A complement of this color would be **3378B8**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **F4A765**, and **7E4200** is the 20% darker color. If you saturate the color by 10%, you get **B86921**, and if you desaturate by 10%, it is **B87D45**.

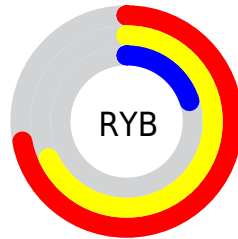
# Distribution



Red (72%)

Green (45%)

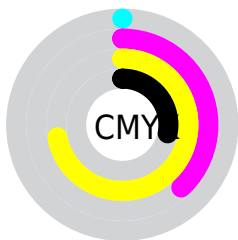
Blue (20%)



Red (72%)

Yellow (68%)

Blue (20%)

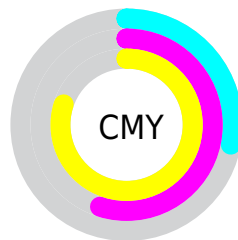


Cyan (0%)

Magenta (38%)

Yellow (72%)

Black (28%)



Cyan (28%)

Magenta (55%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B87333 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 B87333 by changing the saturation by 10% instead.



 B87333

 B87333

FFFFFF

 9B5A1A

 F4A765

 7E4200

 FFC37E

 622C00

 FFDF99

 461600

 FFFBB4

 2C0000

 FFFF00

 000000

 FFFFED

 B87333

 B87333

 B86921

 B87D45

 B8600E

 B88658

 B85900

 B8906A

 B8997D

 B8A38F

 B8ACA1

 B8B6B4

 B8BFC6

 B8C9D9

# Harmonies

## Analogous

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



CE6354



B87333



948325

# Triad

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



B87333



009888



8E75CB

# Complementary

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



B87333



3378B8

# 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.



3286DA



B87333



0097B3

# Square

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



B87333



1F955C



0091D1



BD63A9

# Rectangle

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



B87333



788B2E



0091D1



777BD2



# Sweetspot

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



B87333



F0D4BB



B8337A



786859



F7F7F7



787878



# Same Dimension

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



B87333



F0841F



B8B433



5C5753



9C4B00



1C0D00



# Inverse Universe

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



3378B8



1F8BF0



3337B8



53575C



00519C

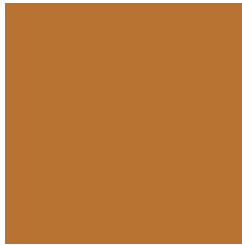


000F1C



# Previews

## White Background



This preview shows how the Hex color B87333 looks on a white background.

## Color Contrast Check

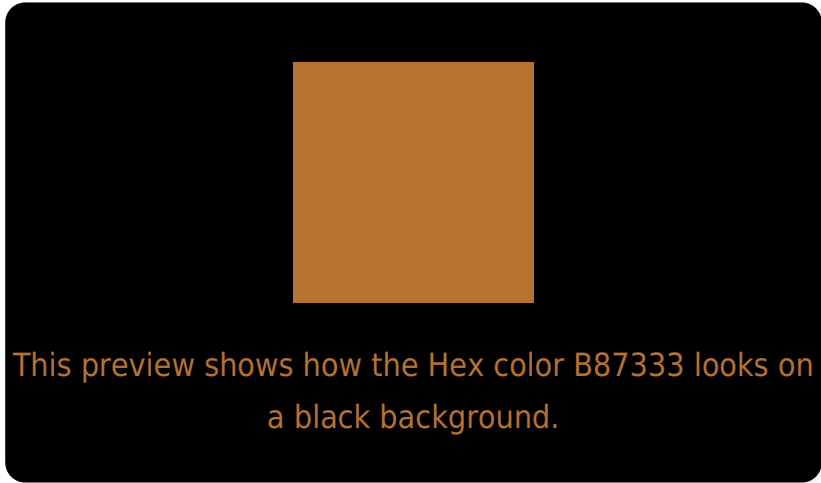
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

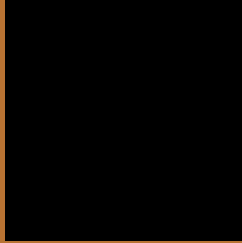
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B87333 Background



This preview shows how black text looks on a background with the Hex color B87333.



This preview shows how white text looks on a background with the Hex color B87333.

# 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**  
B87333

**Protanopia**  
928438

**Deuteranopia**  
A47D30

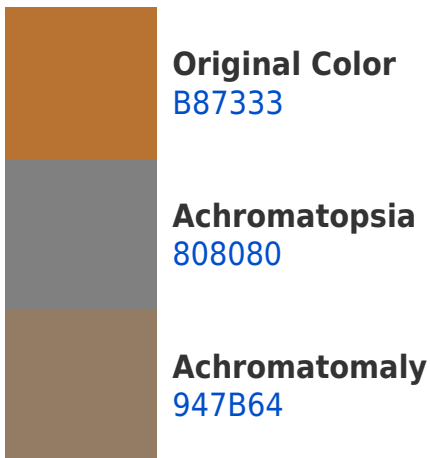


**Tritanopia**  
BC6C74

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B87333 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 #B87333 looks like.

```
.text, #text, p{  
    color:#B87333  
}
```

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 #B87333 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B87333
}
```

## Border

The CSS property to change the border of an element to Hex B87333 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
#B87333 }
```

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

```
.border{ border-color:#B87333 }
```

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

Here you see how a box with a 4 pixel #B87333 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B87333; -webkit-box-shadow:4px 4px  
4px 4px #B87333; box-shadow:4px 4px 4px  
4px #B87333 }
```

# Background

The CSS property to change the background color of an element to Hex B87333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B87333 }
```

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

```
.background{ background-color:#B87333 }
```

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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