

# Converting Colors

Hex(BB9033)

Have a look what the booklet for  
Hex(BB9033) contains.

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**Color**

**Hex(BB9033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB9033
RGB	187, 144, 51
RGB Percent	73%, 56%, 20%
CMY	0.2667, 0.4353, 0.8000
CMYK	0.00, 0.23, 0.73, 0.27
HSL	41°, 57%, 47%
HSV	41°, 73%, 73%
XYZ	31.0643, 30.7503, 7.4301
YIQ	146.2550, 55.4810, -19.8070

# Conversions

## Conversions Part 2

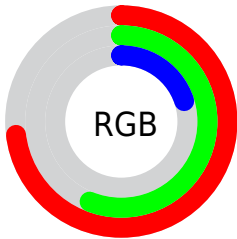
Format	Color
<a href="#">RYB</a>	<a href="#">114, 187, 51</a>
Decimal	<a href="#">12292147</a>
CIELab	<a href="#">62.30, 6.93, 53.26</a>
CIElCh	<a href="#">62, 53.713, 82.590</a>
Yxy	<a href="#">30.7503, 0.4486, 0.4441</a>
Android (android.graphics.Color)	<a href="#">4290482227</a> (0xFFBB9033)
YUV	<a href="#">146.2550, -46.9607, 35.7334</a>
Hunter-Lab	<a href="#">55.4530, 2.9516, 30.8729</a>

# Details

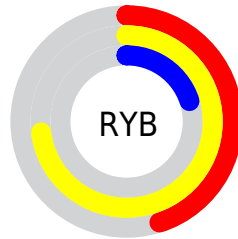
The Hex color **BB9033** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **335EBB**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **F6C667**, and **825E00** is the 20% darker color. If you saturate the color by 10%, you get **BB8A20**, and if you desaturate by 10%, it is **BB9646**.

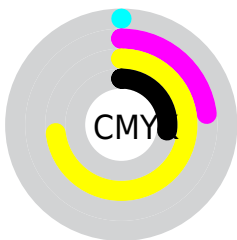
# Distribution



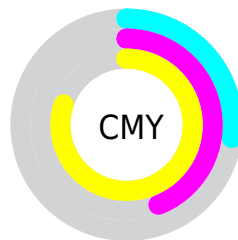
- Red (73%)
- Green (56%)
- Blue (20%)



- Red (45%)
- Yellow (73%)
- Blue (20%)



- Cyan (0%)
- Magenta (23%)
- Yellow (73%)
- Black (27%)



- Cyan (27%)
- Magenta (44%)
- Yellow (80%)
- Black (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB9033 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 BB9033 by changing the saturation by 10% instead.



 BB9033

 BB9033

FFFFFF

 9E7617

 F6C667

 825E00

 FFE181

 664700

 FFFE9C

 4B3000

 FFFF88

 311C00

 FFFFD4

 180300

 FFFFF1

 000000

 BB9033

 BB9033

 BB8A20

 BB9646

 BB840E

 BB9C58

 BB8000

 BBA26B

 BBA87E

 BBAE91

 BBB3A3

 BBB9B6

 BBBFC9

 BBC5DB

# Harmonies

## Analogous

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



DD7E4C



BB9033



8E9F39

# Triad

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



BB9033



00AEBA



C57BD1

# Complementary

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



BB9033



335EBB

# 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.



848FEF



BB9033



00AAE1

# Square

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



BB9033



00AD89



009FF5



E86DA5

# Rectangle

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



BB9033



69A64D



009FF5



B482DD



# Sweetspot

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



BB9033



F2E1BD



BB335E



7A705B



FAFAFA



7A7A7A



# Same Dimension

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



BB9033



F2B01F



A2BB33



5E5B55



9E6C00



1F1500



# Inverse Universe

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



335EBB



1F62F2



4C33BB



55585E



00329E



000A1F



# Previews

## White Background



This preview shows how the Hex color BB9033 looks on a white background.

## Color Contrast Check

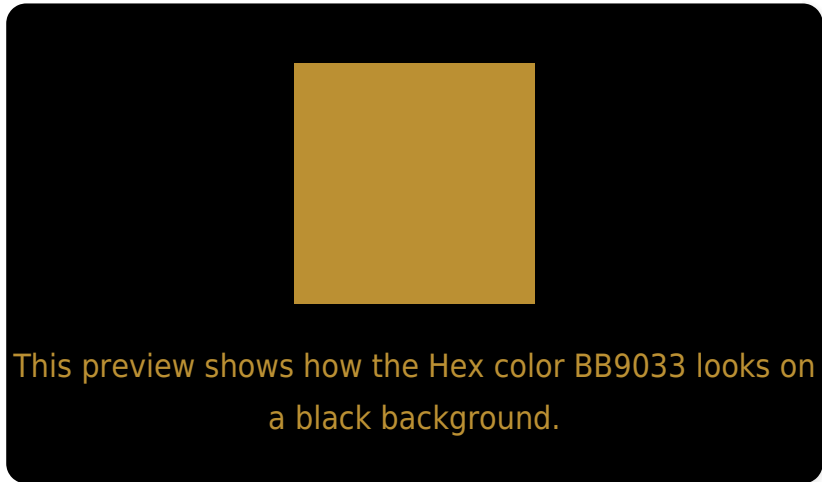
Large Text (above 18pt) WCAG AA × Fail

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

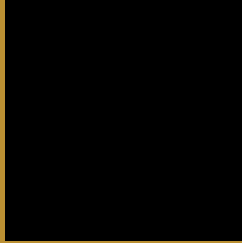
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex BB9033 Background



This preview shows how black text looks on a background with the Hex color BB9033.



This preview shows how white text looks on a background with the Hex color BB9033.

# 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**  
BB9033

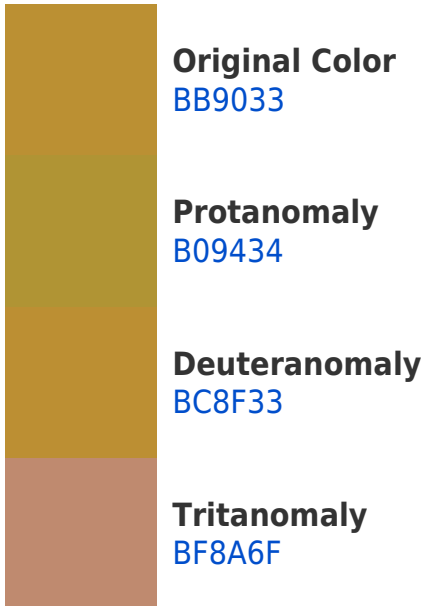
**Protanopia**  
A99735

**Deuteranopia**  
BD8F33

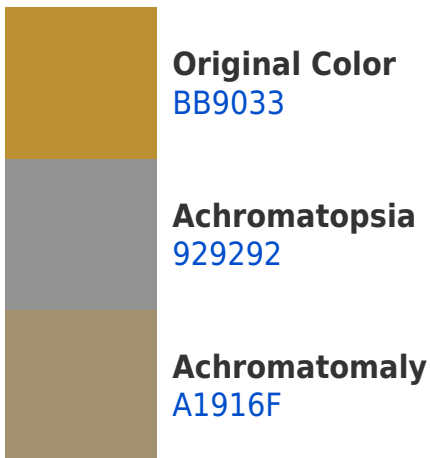


**Tritanopia**  
C18791

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB9033 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 #BB9033 looks like.

```
.text, #text, p{  
    color:#BB9033  
}
```

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 #BB9033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB9033
}
```

## Border

The CSS property to change the border of an element to Hex BB9033 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
#BB9033 }
```

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

```
.border{ border-color:#BB9033 }
```

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

Here you see how a box with a 4 pixel #BB9033 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB9033; -webkit-box-shadow:4px 4px  
4px 4px #BB9033; box-shadow:4px 4px 4px  
4px #BB9033 }
```

# Background

The CSS property to change the background color of an element to Hex BB9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB9033 }
```

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

```
.background{ background-color:#BB9033 }
```

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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