

# Converting Colors

Hex(B10013)

Have a look what the booklet for  
Hex(B10013) contains.

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**Color**

**Hex(B10013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B10013
RGB	177, 0, 19
RGB Percent	69%, 0%, 7%
CMY	0.3059, 1.0000, 0.9255
CMYK	0.00, 1.00, 0.89, 0.31
HSL	354°, 100%, 35%
HSV	354°, 100%, 69%
XYZ	18.2490, 9.3941, 1.4675
YIQ	55.0890, 99.3930, 43.4330

# Conversions

## Conversions Part 2

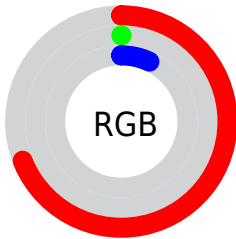
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 0, 19
Decimal	11599891
CIE <sub>Lab</sub>	36.73, 61.16, 43.32
CIE <sub>LCh</sub>	37, 74.945, 35.313
Yxy	9.3941, 0.6269, 0.3227
Android (android.graphics.Color)	4289789971 (0xFFB10013)
YUV	55.0890, -17.7919, 106.9159
Hunter-Lab	30.6498, 52.6422, 18.6161

# Details

The Hex color **B10013** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **00B19E**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **F14F40**, and **720000** is the 20% darker color. If you saturate the color by 10%, you get **B10013**, and if you desaturate by 10%, it is **B11223**.

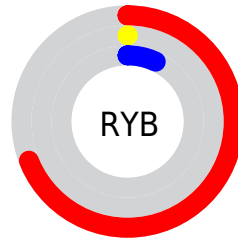
# Distribution



Red (69%)

Green (0%)

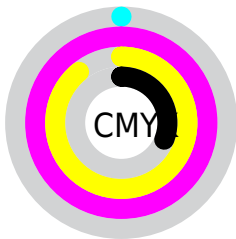
Blue (7%)



Red (69%)

Yellow (0%)

Blue (7%)

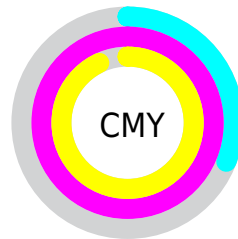


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (31%)



Cyan (31%)

Magenta (100%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B10013 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 B10013 by changing the saturation by 10% instead.



 B10013

 B10013

 FFFFFFF9

 920000

 F14F40

 720000

 FF6C58

 540001

 FF8871

 370002

 FFA48B

 0A0000

 FFC1A5

 000000

 FFDFC1

 FFFCDD

 B10013

 B11223

 B12333

 B13542

 B14752

 B15962

 B16A72

 B17C82

 B18E91

 B19FA1

# Harmonies

## Analogous

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



BA004F



B10013



913E00

# Triad

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



B10013



006B1E



005CD1

# Complementary

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



B10013



00B19E

# 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.



006AC6



B10013



006E60

# Square

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



B10013



166500



006E9C



5B3FBB

# Rectangle

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



B10013



725100



006E9C



0062D1



# Sweetspot

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



B10013



E6A1A8



9C00B1



73494E



F2F2F2



737373



# Same Dimension

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



B10013



E60019



B14400



595051



990010



1A0003



# Inverse Universe

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



B10013



E60019



006DB1



595051



990010



1A0003



# Previews

## White Background



This preview shows how the Hex color B10013 looks on a white background.

## Color Contrast Check

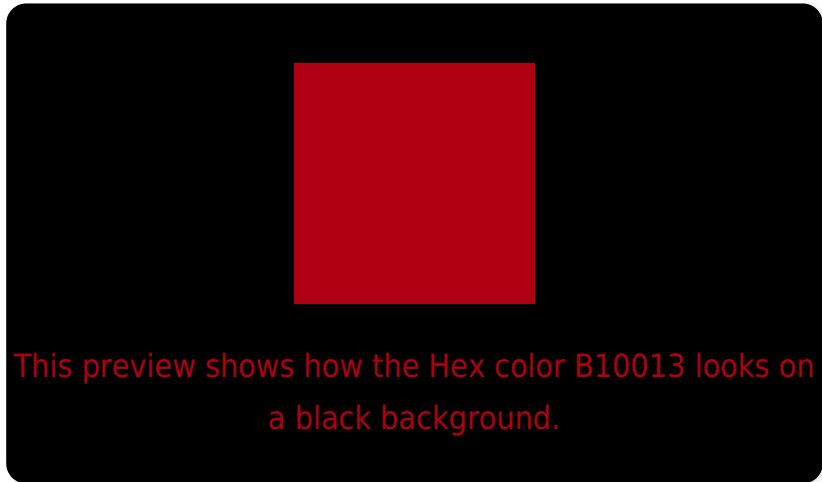
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black 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

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



## Hex B10013 Background



This preview shows how black text looks on a background with the Hex color B10013.



This preview shows how white text looks on a background with the Hex color B10013.

# 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**  
B10013

**Protanopia**  
645A23

**Deuteranopia**  
715500



**Tritanopia**  
B01000

# Trichromacy



**Original Color**  
B10013

**Protanomaly**  
80391D

**Deuteranomaly**  
883607

**Tritanomaly**  
B00A07

# Monochromacy



**Original Color**  
B10013

**Achromatopsia**  
373737

**Achromatomaly**  
63232A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B10013 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 #B10013 looks like.

```
.text, #text, p{  
    color:#B10013  
}
```

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 #B10013 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B10013
}
```

## Border

The CSS property to change the border of an element to Hex B10013 is called "border". The border property can be set on classes, ids or directly on the HTML element.

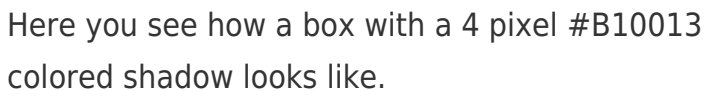
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B10013 }
```

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

```
.border{ border-color:#B10013 }
```

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



Here you see how a box with a 4 pixel #B10013 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B10013; -webkit-box-shadow:4px 4px  
4px 4px #B10013; box-shadow:4px 4px 4px  
4px #B10013 }
```

# Background

The CSS property to change the background color of an element to Hex B10013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B10013 }
```

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

```
.background{ background-color:#B10013 }
```

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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