

# Converting Colors

Hex(B15103)

Have a look what the booklet for  
Hex(B15103) contains.

<b>Hex(B15103)</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(B15103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B15103
RGB	177, 81, 3
RGB Percent	69%, 32%, 1%
CMY	0.3059, 0.6824, 0.9882
CMYK	0.00, 0.54, 0.98, 0.31
HSL	27°, 97%, 35%
HSV	27°, 98%, 69%
XYZ	21.0903, 15.2385, 1.9159
YIQ	100.8120, 82.2540, -3.9060

# Conversions

## Conversions Part 2

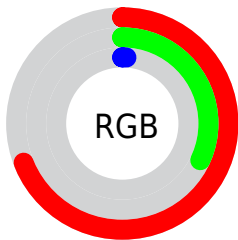
Format	Color
<a href="#">RYB</a>	<a href="#">177, 144, 3</a>
Decimal	<a href="#">11620611</a>
CIELab	<a href="#">45.96, 35.64, 54.81</a>
CIELCh	<a href="#">46, 65.375, 56.966</a>
Yxy	<a href="#">15.2385, 0.5515, 0.3984</a>
Android (android.graphics.Color)	<a href="#">4289810691</a> <a href="#">(0xFFB15103)</a>
YUV	<a href="#">100.8120, -48.2213, 66.8169</a>
Hunter-Lab	<a href="#">39.0366, 28.1243, 24.4157</a>

# Details

The Hex color **B15103** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **0363B1**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **EF843D**, and **751F00** is the 20% darker color. If you saturate the color by 10%, you get **B14F00**, and if you desaturate by 10%, it is **B15B15**.

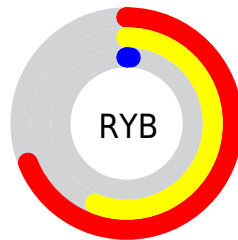
# Distribution



Red (69%)

Green (32%)

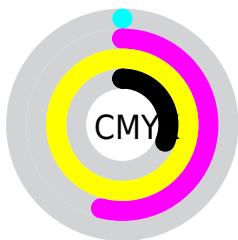
Blue (1%)



Red (69%)

Yellow (56%)

Blue (1%)

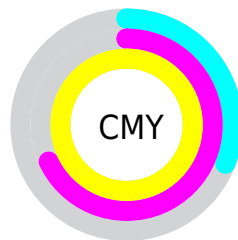


Cyan (0%)

Magenta (54%)

Yellow (98%)

Black (31%)



Cyan (31%)

Magenta (68%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B15103 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 B15103 by changing the saturation by 10% instead.



 B15103

 B15103

 FFFFFB

 933800

 EF843D

 751F00

 FF9F56

 570300

 FFBA70

 3B0000

 FFD78A

 200001

 FFF3A5

 000000

 FFFFC1

 FFFFDE

 B15103

 B15103

■ B14F00

■ B15B15

■ B16526

■ B16E38

■ B1784A

■ B1825B

■ B18C6D

■ B1957F

■ B19F91

■ B1A9A2

# Harmonies

## Analogous

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



C9343F



B15103



896900

# Triad

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



B15103



008465



5B61CF

# Complementary

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



B15103



0363B1

# 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.



0076DB



B15103



00859D

# Square

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



B15103



00802C



0081C9



A843A9

# Rectangle

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



B15103



677400



0081C9



1F69D7



# Sweetspot

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



B15103



E6C1A3



B10366



735D4B



F2F2F2



737373



# Same Dimension

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



B15103



E66700



B1A503



595450



994500



1A0B00



# Inverse Universe

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



0363B1



007FE6



030FB1



505559



005499



000E1A



# Previews

## White Background



This preview shows how the Hex color B15103 looks on a white background.

## Color Contrast Check

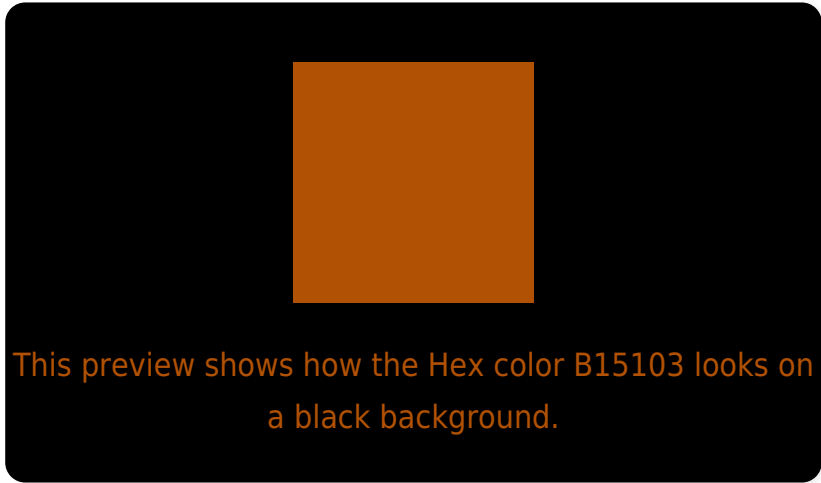
Large Text (above 18pt) WCAG AA ✓ Pass

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 B15103 Background



This preview shows how black text looks on a background with the Hex color B15103.



This preview shows how white text looks on a background with the Hex color B15103.

# 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**  
B15103

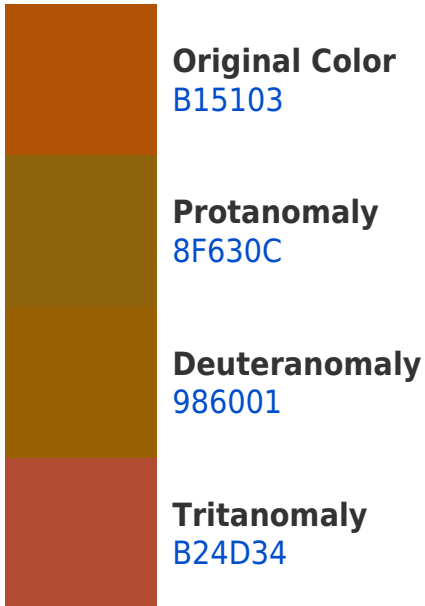
**Protanopia**  
7C6E11

**Deuteranopia**  
8A6800

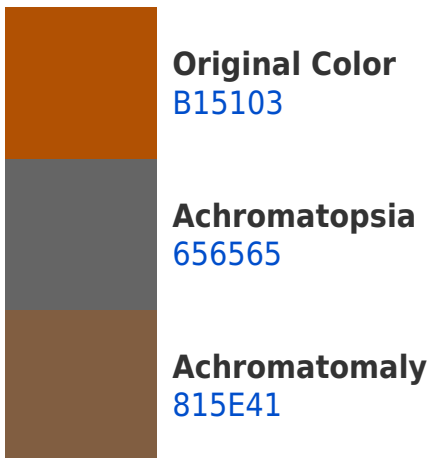


**Tritanopia**  
B34B50

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B15103 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 #B15103 looks like.

```
.text, #text, p{  
    color:#B15103  
}
```

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 #B15103 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B15103
}
```

## Border

The CSS property to change the border of an element to Hex B15103 is called "border". The border property can be set on classes, ids or directly on the HTML element.

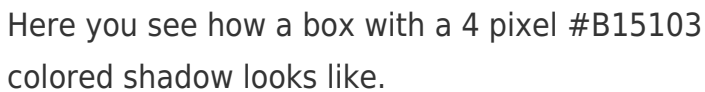
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B15103 }
```

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

```
.border{ border-color:#B15103 }
```

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



Here you see how a box with a 4 pixel #B15103 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B15103; -webkit-box-shadow:4px 4px  
4px 4px #B15103; box-shadow:4px 4px 4px  
4px #B15103 }
```

# Background

The CSS property to change the background color of an element to Hex B15103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B15103 }
```

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

```
.background{ background-color:#B15103 }
```

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