

# Converting Colors

Hex(B0120B)

Have a look what the booklet for  
Hex(B0120B) contains.

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**Color**

**Hex(B0120B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B0120B
RGB	176, 18, 11
RGB Percent	69%, 7%, 4%
CMY	0.3098, 0.9294, 0.9569
CMYK	0.00, 0.90, 0.94, 0.31
HSL	3°, 88%, 37%
HSV	3°, 94%, 69%
XYZ	18.1812, 9.6869, 1.2281
YIQ	64.4440, 96.4150, 31.3190

# Conversions

## Conversions Part 2

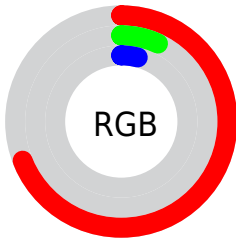
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 18, 11
Decimal	11538955
CIE Lab	37.27, 58.46, 47.00
CIE LCh	37, 75.011, 38.798
Yxy	9.6869, 0.6249, 0.3329
Android (android.graphics.Color)	4289729035 (0xFFB0120B)
YUV	64.4440, -26.3479, 97.8346
Hunter-Lab	31.1238, 49.8057, 19.4471

# Details

The Hex color **B0120B** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0BA9B0**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **F0543A**, and **710000** is the 20% darker color. If you saturate the color by 10%, you get **B00700**, and if you desaturate by 10%, it is **B0231D**.

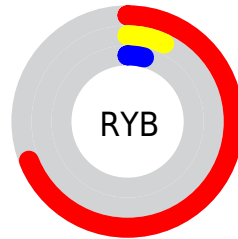
# Distribution



Red (69%)

Green (7%)

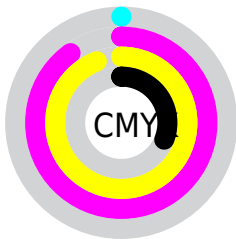
Blue (4%)



Red (69%)

Yellow (7%)

Blue (4%)

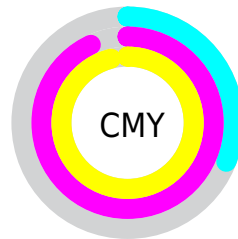


Cyan (0%)

Magenta (90%)

Yellow (94%)

Black (31%)



Cyan (31%)

Magenta (93%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B0120B 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 B0120B by changing the saturation by 10% instead.



 B0120B

 B0120B

 FFFFF3

 910000

 F0543A

 710000

 FF7052

 530000

 FF8C6B

 370002

 FFA985

 090000

 FFC59F

 000000

 FFE3BB

 FFFFD7

 B0120B

 B0120B

 B00700

 B0231D


 B0342E

 B04540

 B05551

 B06663

 B07775

 B08886

 B09998

 B0AAA9

# Harmonies

## Analogous

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



BD0049



B0120B



8D4400

# Triad

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



B0120B



006D28



005BD2

# Complementary

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



B0120B



0BA9B0

# 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.



006ACA



B0120B



006F69

# Square

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



B0120B



006700



006FA3



693CB8

# Rectangle

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



B0120B



6E5500



006FA3



0061D3



# Sweetspot

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



B0120B



E6A8A5



B00BAB



734D4C



F2F2F2



737373



# Same Dimension

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



B0120B



E60A00



B0630B



595150



990600



1A0100



# Inverse Universe

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



0BA9B0



00DCE6



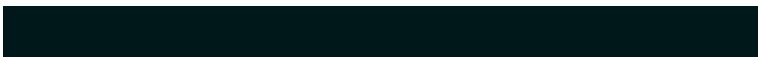
0B58B0



505959



009399



00181A



# Previews

## White Background



This preview shows how the Hex color B0120B looks on a white background.

## Color Contrast Check

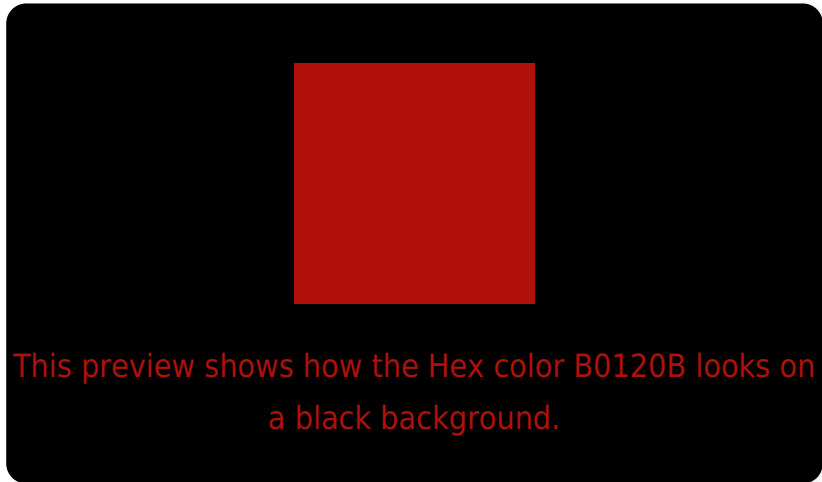
Large Text (above 18pt) WCAG AA ✓ Pass

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 B0120B Background



This preview shows how black text looks on a background with the Hex color B0120B.



This preview shows how white text looks on a background with the Hex color B0120B.

# 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**  
B0120B

**Protanopia**  
655A1A

**Deuteranopia**  
715500



# Trichromacy



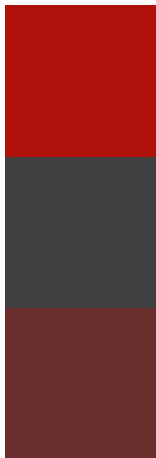
**Original Color**  
B0120B

**Protanomaly**  
804015

**Deuteranomaly**  
883D04

**Tritanomaly**  
B0120B

# Monochromacy



**Original Color**  
B0120B

**Achromatopsia**  
404040

**Achromatomaly**  
692F2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B0120B 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 #B0120B looks like.

```
.text, #text, p{  
    color:#B0120B  
}
```

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 #B0120B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0120B
}
```

## Border

The CSS property to change the border of an element to Hex B0120B is called "border". The border property can be set on classes, ids or directly on the HTML element.

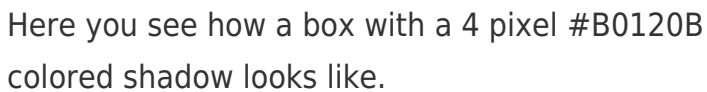
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B0120B }
```

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

```
.border{ border-color:#B0120B }
```

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



Here you see how a box with a 4 pixel #B0120B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0120B; -webkit-box-shadow:4px 4px  
4px 4px #B0120B; box-shadow:4px 4px 4px  
4px #B0120B }
```

# Background

The CSS property to change the background color of an element to Hex B0120B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0120B }
```

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

```
.background{ background-color:#B0120B }
```

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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