

# Converting Colors

Hex(B12D1B)

Have a look what the booklet for  
Hex(B12D1B) contains.

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# Color

**Hex(B12D1B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B12D1B
RGB	177, 45, 27
RGB Percent	69%, 18%, 11%
CMY	0.3059, 0.8235, 0.8941
CMYK	0.00, 0.75, 0.85, 0.31
HSL	7°, 74%, 40%
HSV	7°, 85%, 69%
XYZ	19.2677, 11.3030, 2.2031
YIQ	82.4160, 84.4500, 22.3860

# Conversions

## Conversions Part 2

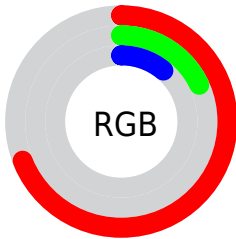
Format	Color
<a href="#">RYB</a>	<a href="#">177, 47, 27</a>
Decimal	<a href="#">11611419</a>
CIELab	<a href="#">40.09, 51.97, 42.20</a>
CIElCh	<a href="#">40, 66.946, 39.078</a>
Yxy	<a href="#">11.3030, 0.5879, 0.3449</a>
Android (android.graphics.Color)	<a href="#">4289801499 (0xFFB12D1B)</a>
YUV	<a href="#">82.4160, -27.3201, 82.9502</a>
Hunter-Lab	<a href="#">33.6200, 43.4638, 19.6487</a>

# Details

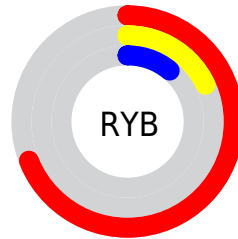
The Hex color **B12D1B** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **1B9FB1**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **F06549**, and **740000** is the 20% darker color. If you saturate the color by 10%, you get **B11D09**, and if you desaturate by 10%, it is **B13D2D**.

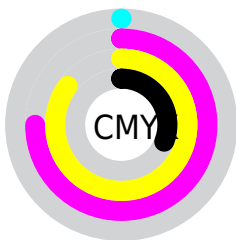
# Distribution



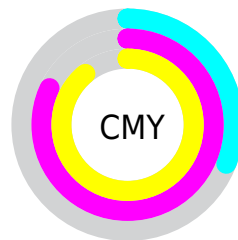
- Red (69%)
- Green (18%)
- Blue (11%)



- Red (69%)
- Yellow (18%)
- Blue (11%)



- Cyan (0%)
- Magenta (75%)
- Yellow (85%)
- Black (31%)



- Cyan (31%)
- Magenta (82%)
- Yellow (89%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B12D1B 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 B12D1B by changing the saturation by 10% instead.



 B12D1B

 B12D1B

FFFFFF

 920603

 F06549

 740000

 FF8062

 560000

 FF9C7B

 3B0002

 FFB895

 150000

 FFD4B0

 000000

 FFF2CC

 FFFFEE8

 B12D1B

 B12D1B

 B11D09

 B13D2D

 B11500

 B14C3E

 B15C50

 B16B62

 B17B73

 B18A85

 B19A97

 B1AAA9

 B1B9BA

# Harmonies

## Analogous

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



BC0250



B12D1B



924D00

# Triad

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



B12D1B



007334



0060CC

# Complementary

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



B12D1B



1B9FB1

# 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.



006FC6



B12D1B



00756E

# Square

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



B12D1B



226D00



0075A3



7246B5

# Rectangle

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



B12D1B



755C00



0075A3



0066CD



# Sweetspot

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



B12D1B



E6B3AC



B11BA0



735450



F2F2F2



737373



# Same Dimension

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



B12D1B



E61C00



B1781B



595150



991200



1A0300



# Inverse Universe

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



1B9FB1



00CAE6



1B55B1



505859



008799



00161A



# Previews

## White Background



This preview shows how the Hex color B12D1B 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 B12D1B Background



This preview shows how black text looks on a background with the Hex color B12D1B.



This preview shows how white text looks on a background with the Hex color B12D1B.

# 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



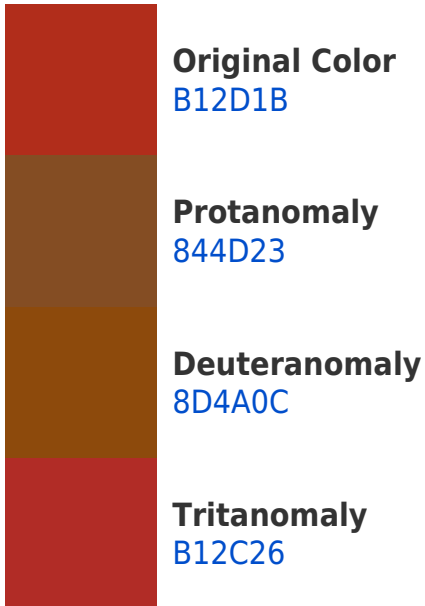
**Original Color**  
B12D1B

**Protanopia**  
6A6028

**Deuteranopia**  
795B03



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B12D1B 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 #B12D1B looks like.

```
.text, #text, p{  
    color:#B12D1B  
}
```

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 #B12D1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B12D1B
}
```

## Border

The CSS property to change the border of an element to Hex B12D1B is called "border". The border property can be set on classes, ids or directly on the HTML element.

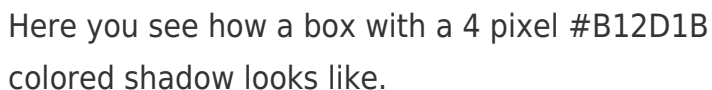
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B12D1B }
```

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

```
.border{ border-color:#B12D1B }
```

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



Here you see how a box with a 4 pixel `#B12D1B` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B12D1B; -webkit-box-shadow:4px 4px  
4px 4px #B12D1B; box-shadow:4px 4px 4px  
4px #B12D1B }
```

# Background

The CSS property to change the background color of an element to Hex B12D1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B12D1B }
```

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

```
.background{ background-color:#B12D1B }
```

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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