

# Converting Colors

Hex(B41B00)

Have a look what the booklet for  
Hex(B41B00) contains.

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**Color**

**Hex(B41B00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B41B00
RGB	180, 27, 0
RGB Percent	71%, 11%, 0%
CMY	0.2941, 0.8941, 1.0000
CMYK	0.00, 0.85, 1.00, 0.29
HSL	9°, 100%, 35%
HSV	9°, 100%, 71%
XYZ	19.2143, 10.4872, 1.0115
YIQ	69.6690, 99.8550, 24.0390

# Conversions

## Conversions Part 2

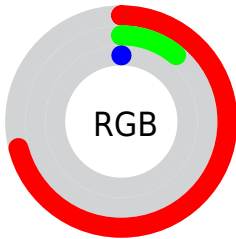
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 32, 0
Decimal	11803392
CIE <sub>Lab</sub>	38.70, 57.66, 52.27
CIE <sub>LCh</sub>	39, 77.827, 42.194
Yxy	10.4872, 0.6256, 0.3415
Android (android.graphics.Color)	4289993472 (0xFFB41B00)
YUV	69.6690, -34.3468, 96.7603
Hunter-Lab	32.3839, 49.2375, 20.8168

# Details

The Hex color **B41B00** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **0099B4**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **F45933**, and **750000** is the 20% darker color. If you saturate the color by 10%, you get **B41B00**, and if you desaturate by 10%, it is **B42A12**.

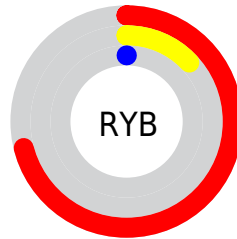
# Distribution



Red (71%)

Green (11%)

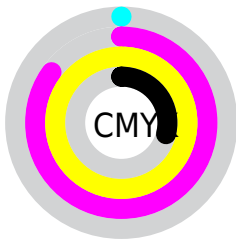
Blue (0%)



Red (71%)

Yellow (13%)

Blue (0%)

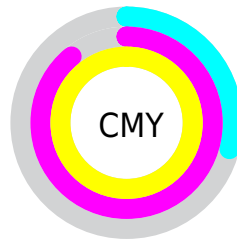


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (89%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B41B00 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 B41B00 by changing the saturation by 10% instead.



 B41B00

 B41B00

 FFFFEC

 950000

 F45933

 750000

 FF754B

 560000

 FF9164

 3B0002

 FFAD7E


 140000

 FFCA99

 000000

 FFE7B4

 FFFFD0

 B41B00

 B42A12

 B43A24

 B44936

 B45848

 B4685A

 B4776C

 B4867E

 B49590

 B4A5A2

# Harmonies

## Analogous

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



C40045



B41B00



8E4A00

# Triad

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



B41B00



007231



005CD9

# Complementary

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



B41B00



0099B4

# 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.



006DD6



B41B00



007474

# Square

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



B41B00



006D00



0073B0



7939BA

# Rectangle

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



B41B00



6C5B00



0073B0



0063DC



# Sweetspot

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



B41B00



EBAFA4



B40099



75514B



F5F5F5



757575



# Same Dimension

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



B41B00



EB2300



B47500



595250



991700



1A0400



# Inverse Universe

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



0099B4



00C7EB



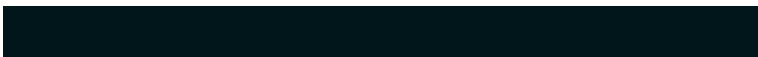
003FB4



505859



008299



00161A



# Previews

## White Background



This preview shows how the Hex color B41B00 looks on a white background.

## Color Contrast Check

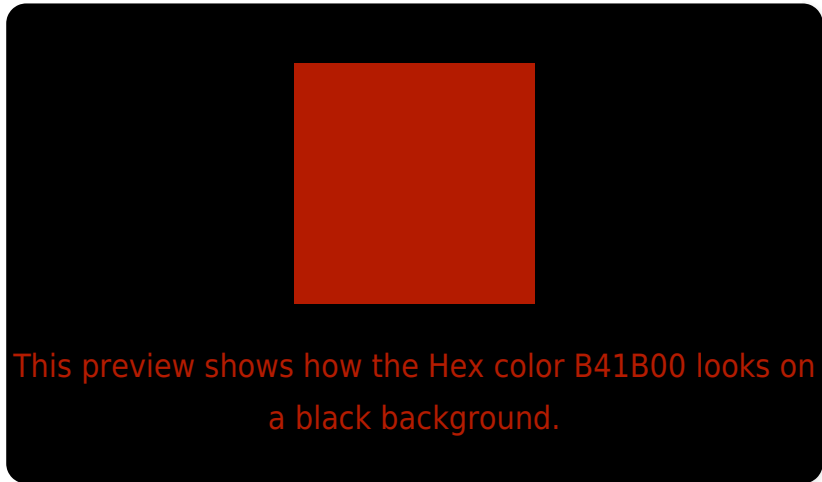
Large Text (above 18pt) WCAG AA ✓ Pass

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 B41B00 Background



This preview shows how black text looks on a background with the Hex color B41B00.



This preview shows how white text looks on a background with the Hex color B41B00.

# 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**  
B41B00

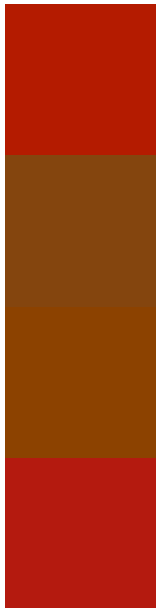
**Protanopia**  
685D16

**Deuteranopia**  
755800



**Tritanopia**  
B41A17

# Trichromacy



**Original Color**  
B41B00

**Protanomaly**  
84450E

**Deuteranomaly**  
8C4200

**Tritanomaly**  
B41A0F

# Monochromacy



**Original Color**  
B41B00

**Achromatopsia**  
464646

**Achromatomaly**  
6E362D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B41B00 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 #B41B00 looks like.

```
.text, #text, p{  
    color:#B41B00  
}
```

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 #B41B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B41B00
}
```

## Border

The CSS property to change the border of an element to Hex B41B00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

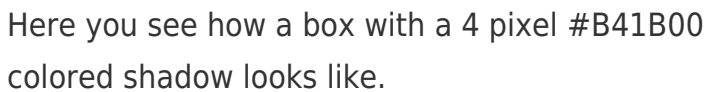
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B41B00 }
```

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

```
.border{ border-color:#B41B00 }
```

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



Here you see how a box with a 4 pixel `#B41B00` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B41B00; -webkit-box-shadow:4px 4px  
4px 4px #B41B00; box-shadow:4px 4px 4px  
4px #B41B00 }
```

# Background

The CSS property to change the background color of an element to Hex B41B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B41B00 }
```

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

```
.background{ background-color:#B41B00 }
```

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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