

# Converting Colors

Hex(B7B41D)

Have a look what the booklet for  
Hex(B7B41D) contains.

<b>Hex(B7B41D)</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(B7B41D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B41D
RGB	183, 180, 29
RGB Percent	72%, 71%, 11%
CMY	0.2824, 0.2941, 0.8863
CMYK	0.00, 0.02, 0.84, 0.28
HSL	59°, 73%, 42%
HSV	59°, 84%, 72%
XYZ	36.0715, 42.7985, 7.5222
YIQ	163.6830, 50.2590, -46.3250

# Conversions

## Conversions Part 2

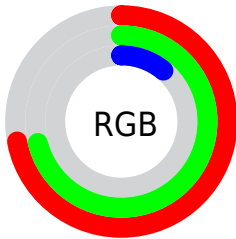
Format	Color
<a href="#">RYB</a>	<a href="#">32, 183, 29</a>
Decimal	<a href="#">12039197</a>
CIELab	<a href="#">71.42, -14.80, 68.66</a>
CIELCh	<a href="#">71, 70.233, 102.164</a>
Yxy	<a href="#">42.7985, 0.4175, 0.4954</a>
Android (android.graphics.Color)	<a href="#">4290229277 (0xFFB7B41D)</a>
YUV	<a href="#">163.6830, -66.3987, 16.9410</a>
Hunter-Lab	<a href="#">65.4206, -16.0650, 38.9771</a>

# Details

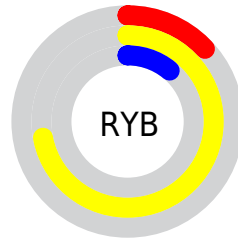
The Hex color **B7B41D** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **1D20B7**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **F2EC5B**, and **7E8000** is the 20% darker color. If you saturate the color by 10%, you get **B7B40B**, and if you desaturate by 10%, it is **B7B42F**.

# Distribution



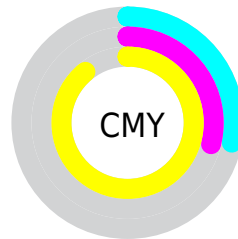
- Red (72%)
- Green (71%)
- Blue (11%)



- Red (13%)
- Yellow (72%)
- Blue (11%)



- Cyan (0%)
- Magenta (2%)
- Yellow (84%)
- Black (28%)



- Cyan (28%)
- Magenta (29%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7B41D 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 B7B41D by changing the saturation by 10% instead.



 B7B41D

 B7B41D

FFFFFF

 9A9900

 F2EC5B

 7E8000

 FFFF77

 626700

 FFFF93

 474F00

 FFFFAF


 2D3800

 FFFFCC

 142300

 FFFFEE

 000A00

 000000

 B7B41D

 B7B41D

 B7B40B

 B7B42F

 B7B300

 B7B542

 B7B554

 B7B566

 B7B679

 B7B68B

 B7B69D

 B7B7AF

 B7B7C2

# Harmonies

## Analogous

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



EF9E2B



B7B41D



6FC349

# Triad

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



B7B41D



00CBFF



FF78D8

# Complementary

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



B7B41D



1D20B7

# 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.



D392FF



B7B41D



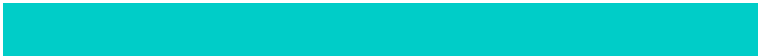
00C1FF

# Square

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



B7B41D



00CDC8



5BADFF



FF7197

# Rectangle

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



B7B41D



00C970



5BADFF



FF80EC



# Sweetspot

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



B7B41D



EDECB2



B71D22



787754



F7F7F7



787878



# Same Dimension

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



B7B41D



EDE900



6FB71D



5C5C53



9C9900



1C1C00



# Inverse Universe

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



1D20B7



0005ED



651DB7



53535C



00039C



00011C



# Previews

## White Background



This preview shows how the Hex color B7B41D looks on a white background.

## Color Contrast Check

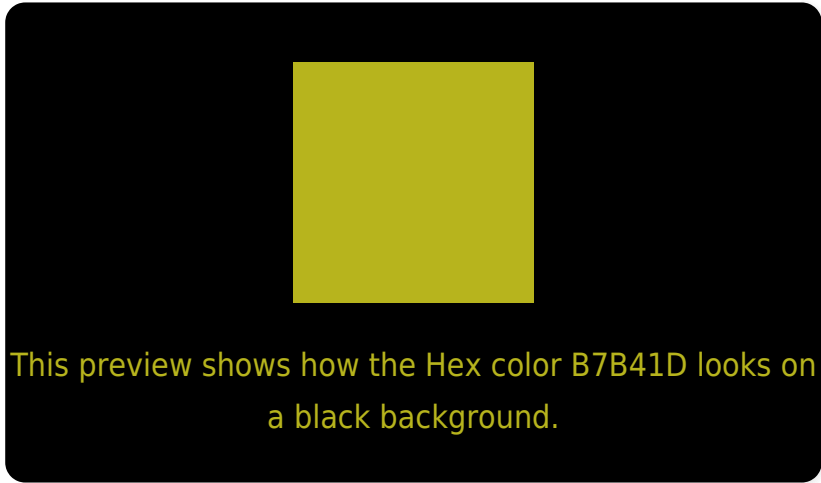
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex B7B41D Background



This preview shows how black text looks on a background with the Hex color B7B41D.



This preview shows how white text looks on a background with the Hex color B7B41D.

# 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**  
B7B41D

**Protanopia**  
C5AF1C

**Deuteranopia**  
DCA626



**Tritanopia**  
C2A7B5

# Trichromacy



**Original Color**  
B7B41D

**Protanomaly**  
C0B11C

**Deuteranomaly**  
CFAB23

**Tritanomaly**  
BEAC7E

# Monochromacy



**Original Color**  
B7B41D

**Achromatopsia**  
A4A4A4

**Achromatomaly**  
ABAA73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7B41D 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 #B7B41D looks like.

```
.text, #text, p{  
    color:#B7B41D  
}
```

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 #B7B41D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7B41D
}
```

## Border

The CSS property to change the border of an element to Hex B7B41D 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
#B7B41D }
```

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

```
.border{ border-color:#B7B41D }
```

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

Here you see how a box with a 4 pixel #B7B41D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7B41D; -webkit-box-shadow:4px 4px  
4px 4px #B7B41D; box-shadow:4px 4px 4px  
4px #B7B41D }
```

# Background

The CSS property to change the background color of an element to Hex B7B41D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7B41D }
```

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

```
.background{ background-color:#B7B41D }
```

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