

# Converting Colors

Hex(D7B800)

Have a look what the booklet for  
Hex(D7B800) contains.

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**Color**

**Hex(D7B800)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | D7B800                      |
| RGB         | 215, 184, 0                 |
| RGB Percent | 84%, 72%, 0%                |
| CMY         | 0.1569, 0.2784, 1.0000      |
| CMYK        | 0.00, 0.14, 1.00, 0.16      |
| HSL         | 51°, 100%, 42%              |
| HSV         | 51°, 100%, 84%              |
| XYZ         | 45.1648, 48.7281, 7.0250    |
| YIQ         | 172.2930, 77.5400, -50.6520 |

# Conversions

## Conversions Part 2

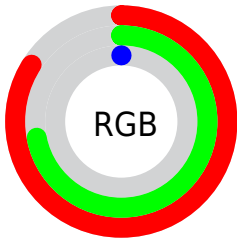
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 36, 215, 0                     |
| Decimal                             | 14137344                       |
| CIE Lab                             | 75.28, -3.28, 77.17            |
| CIE LCh                             | 75, 77.237, 92.436             |
| Yxy                                 | 48.7281, 0.4475,<br>0.4828     |
| Android<br>(android.graphics.Color) | 4292327424<br>(0xFFD7B800)     |
| YUV                                 | 172.2930, -84.9404,<br>37.4540 |
| Hunter-Lab                          | 69.8055, -6.6684,<br>42.8971   |

# Details

The Hex color **D7B800** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **001FD7**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **FFF051**, and **9B8400** is the 20% darker color. If you saturate the color by 10%, you get **D7B800**, and if you desaturate by 10%, it is **D7BB15**.

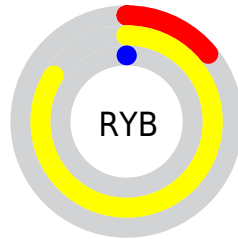
# Distribution



Red (84%)

Green (72%)

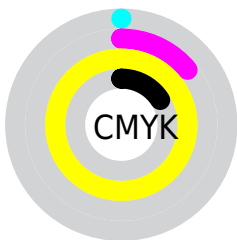
Blue (0%)



Red (14%)

Yellow (84%)

Blue (0%)

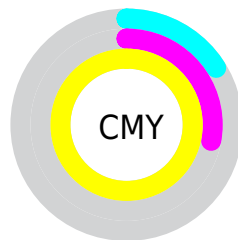


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (28%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D7B800 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 D7B800 by changing the saturation by 10% instead.



 D7B800

 D7B800

FFFFFF

 B99D00

 FFF051

 9B8400

 FFFF6E

 7F6B00

 FFFF8B

 625300

 FFFFA7

 463C00

 FFFFC4

 2D2700

 FFFF E2

 131300

 000000

 D7B800

 D7BB15

 D7BE2B

 D7C141

 D7C456

 D7C86C

 D7CB81

 D7CE97

 D7D1AC

 D7D4C2

# Harmonies

## Analogous

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



FF9D35



D7B800



8FCB32

# Triad

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



D7B800



00DAFF



FF83FD

# Complementary

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



D7B800



001FD7

# 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.



C0A4FF



D7B800



00D2FF

# Square

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



D7B800



00DABD



00C0FF



FF72B7

# Rectangle

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



D7B800



47D35D



00C0FF



FE8EFF

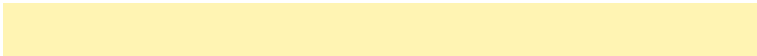


# Sweetspot

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



D7B800



FFF4B3



D70020



807952



000000



808080



# Same Dimension

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



D7B800



FFDA00



8CD700



6B6A60



AB9200



2B2500



# Inverse Universe

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



001FD7



0025FF



4B00D7



60626B



0019AB

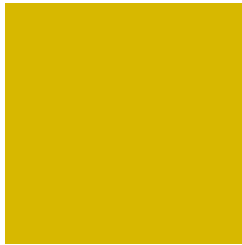


00062B



# Previews

## White Background



This preview shows how the Hex color D7B800 looks on a white background.

## Color Contrast Check

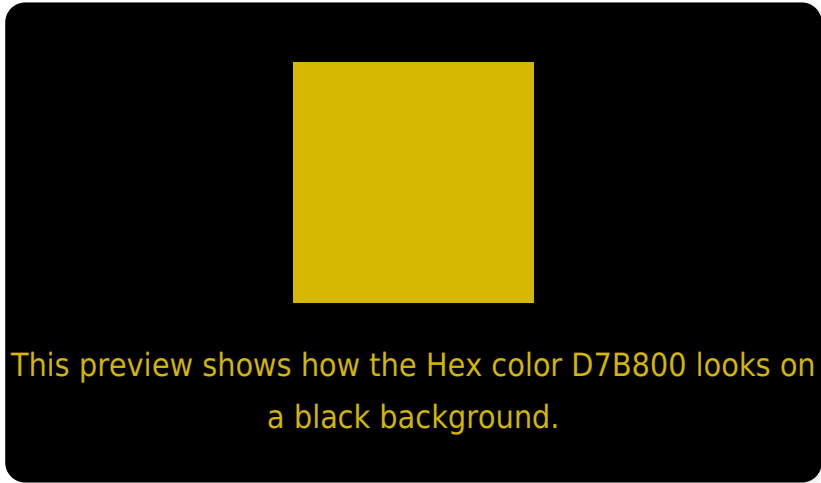
Large Text (above 18pt) WCAG AA × Fail

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 D7B800 Background



This preview shows how black text looks on a background with the Hex color D7B800.

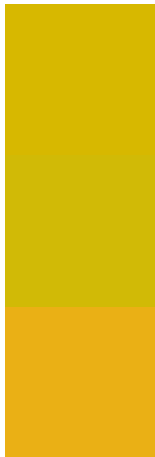


This preview shows how white text looks on a background with the Hex color D7B800.

# 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**  
D7B800

**Protanopia**  
D1BA06

**Deuteranopia**  
EAB015

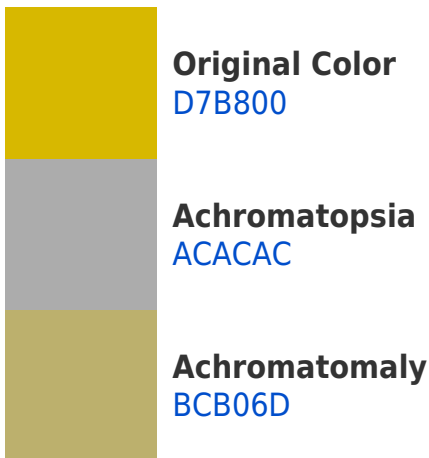


**Tritanopia**  
E1ABB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D7B800 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 #D7B800 looks like.

```
.text, #text, p{  
    color:#D7B800  
}
```

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 #D7B800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D7B800  
}
```

## Border

The CSS property to change the border of an element to Hex D7B800 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  
#D7B800 }
```

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

```
.border{ border-color:#D7B800 }
```

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

Here you see how a box with a 4 pixel #D7B800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D7B800; -webkit-box-shadow:4px 4px  
4px 4px #D7B800; box-shadow:4px 4px 4px  
4px #D7B800 }
```

# Background

The CSS property to change the background color of an element to Hex D7B800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D7B800 }
```

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

```
.background{ background-color:#D7B800 }
```

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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