

# Converting Colors

Hex(DB8A00)

Have a look what the booklet for  
Hex(DB8A00) contains.

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# **Color**

**Hex(DB8A00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB8A00
RGB	219, 138, 0
RGB Percent	86%, 54%, 0%
CMY	0.1412, 0.4588, 1.0000
CMYK	0.00, 0.37, 1.00, 0.14
HSL	38°, 100%, 43%
HSV	38°, 100%, 86%
XYZ	38.3019, 33.2370, 4.3967
YIQ	146.4870, 92.5740, -25.7460

# Conversions

## Conversions Part 2

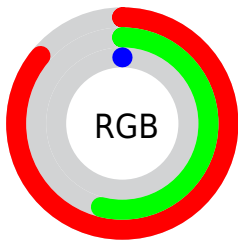
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 219, 0
Decimal	14387712
CIELab	64.35, 22.97, 69.92
CIElCh	64, 73.600, 71.815
Yxy	33.2370, 0.5044, 0.4377
Android (android.graphics.Color)	4292577792 (0xFFDB8A00)
YUV	146.4870, -72.2181, 63.5939
Hunter-Lab	57.6516, 17.6996, 35.8345

# Details

The Hex color **DB8A00** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **0051DB**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **FFC048**, and **9E5800** is the 20% darker color. If you saturate the color by 10%, you get **DB8A00**, and if you desaturate by 10%, it is **DB9216**.

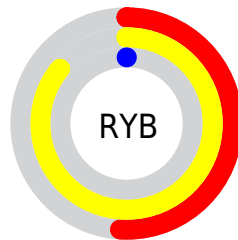
# Distribution



Red (86%)

Green (54%)

Blue (0%)



Red (51%)

Yellow (86%)

Blue (0%)

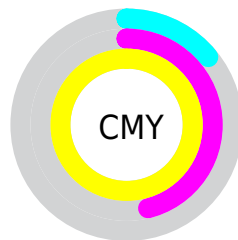


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (46%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DB8A00 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 DB8A00 by changing the saturation by 10% instead.



 DB8A00

 DB8A00

FFFFFF

 BC7000

 FFC048

 9E5800

 FFDB64

 804000

 FFF880

 622A00

 FFFF9B

 461400

 FFFFB7

 2D0000

 FFFFD4

 000000

 FFFFF1

 DB8A00

 DB9216

 DB9A2C

 DBA242

 DBAA58

 DBB26E

 DBBB83

 DBC399

 DBCBAF

 DBD3C5

# Harmonies

## Analogous

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



FF6D47



DB8A00



A3A100

# Triad

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



DB8A00



00BAB5



BF7EFF

# Complementary

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



DB8A00



0051DB

# 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.



259BFF



DB8A00



00B8F3

# Square

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



DB8A00



00B870



00AEFF



FD60C7

# Rectangle

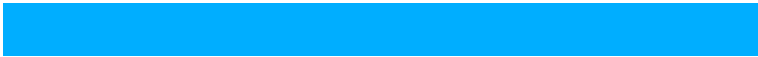
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DB8A00



74AC15



00AEFF



9F89FF



# Sweetspot

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



DB8A00



FFE3B3



DB0054



806F52



000000



808080



# Same Dimension

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



DB8A00



FFA100



C1DB00



6E6A63



AD6D00



2E1D00



# Inverse Universe

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



0051DB



005EFF



1A00DB



63676E



0040AD



00112E



# Previews

## White Background



This preview shows how the Hex color DB8A00 looks on a white background.

## Color Contrast Check

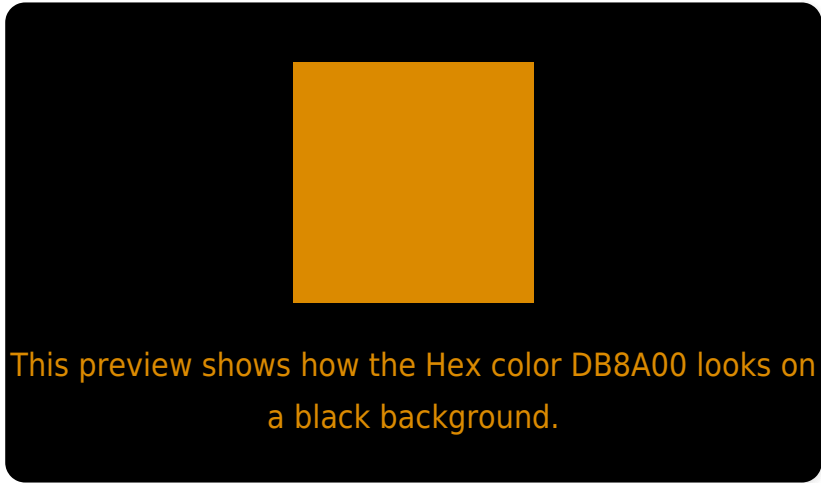
Large Text (above 18pt) WCAG AA × Fail

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 DB8A00 Background



This preview shows how black text looks on a background with the Hex color DB8A00.

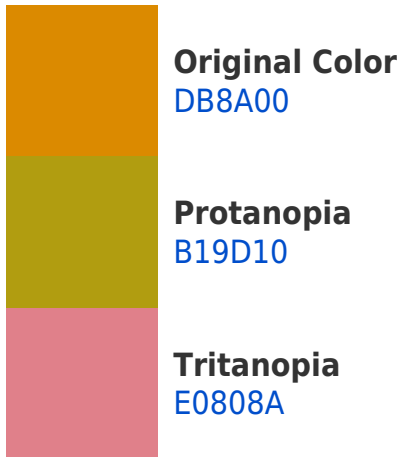


This preview shows how white text looks on a background with the Hex color DB8A00.

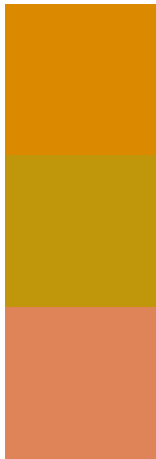
# Color Blindness Simulation

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



# Trichromacy



**Original Color**  
DB8A00

**Protanomaly**  
C0960A

**Tritanomaly**  
DE8458

# Monochromacy



**Original Color**  
DB8A00

**Achromatopsia**  
929292

**Achromatomaly**  
AD8F5D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DB8A00 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 #DB8A00 looks like.

```
.text, #text, p{  
    color:#DB8A00  
}
```

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 #DB8A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DB8A00
}
```

## Border

The CSS property to change the border of an element to Hex DB8A00 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
#DB8A00 }
```

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

```
.border{ border-color:#DB8A00 }
```

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

Here you see how a box with a 4 pixel #DB8A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DB8A00; -webkit-box-shadow:4px 4px  
4px 4px #DB8A00; box-shadow:4px 4px 4px  
4px #DB8A00 }
```

# Background

The CSS property to change the background color of an element to Hex DB8A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DB8A00 }
```

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

```
.background{ background-color:#DB8A00 }
```

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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