

# Converting Colors

Hex(DEB300)

Have a look what the booklet for  
Hex(DEB300) contains.

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**Color**

**Hex(DEB300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB300
RGB	222, 179, 0
RGB Percent	87%, 70%, 0%
CMY	0.1294, 0.2980, 1.0000
CMYK	0.00, 0.19, 1.00, 0.13
HSL	48°, 100%, 44%
HSV	48°, 100%, 87%
XYZ	46.2443, 47.7698, 6.7832
YIQ	171.4510, 83.0870, -46.5530

# Conversions

## Conversions Part 2

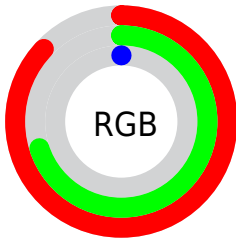
Format	Color
<a href="#">RYB</a>	53, 222, 0
Decimal	14594816
CIELab	74.68, 2.40, 77.06
CIElCh	75, 77.097, 88.218
Yxy	47.7698, 0.4588, 0.4739
Android (android.graphics.Color)	4292784896 (0xFFDEB300)
YUV	171.4510, -84.5253, 44.3315
Hunter-Lab	69.1157, -1.5207, 42.5621

# Details

The Hex color **DEB300** 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 **002BDE**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **FFEA51**, and **A27F00** is the 20% darker color. If you saturate the color by 10%, you get **DEB300**, and if you desaturate by 10%, it is **DEB716**.

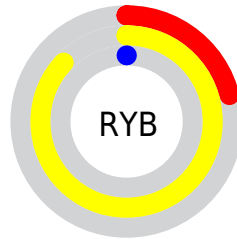
# Distribution



Red (87%)

Green (70%)

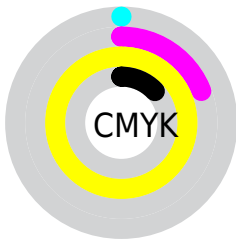
Blue (0%)



Red (21%)

Yellow (87%)

Blue (0%)

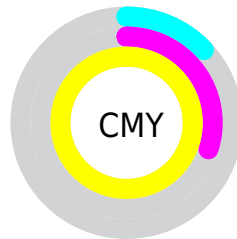


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (30%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEB300 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 DEB300 by changing the saturation by 10% instead.



 DEB300

 DEB300

FFFFFF

 C09800

 FFEA51

 A27F00

 FFFF6D

 856600

 FFFF8A

 684E00

 FFFFA6

 4C3800

 FFFFC3

 322300

 FFFFFE1

 190E00

FFFFFFE

 000000

 DEB300

 DEB716

 DEBC2C

 DEC043

 DEC459

 DEC96F

 DECD85

 DED19B

 DED5B2

 DEDAC8

# Harmonies

## Analogous

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



FF973B



DEB300



98C728

# Triad

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



DEB300



00D8F9



FF86FF

# Complementary

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



DEB300



002BDE

# 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.



AEA7FF



DEB300



00D2FF

# Square

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



DEB300



00D8B1



00C1FF



FF71BF

# Rectangle

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



DEB300



59D052



00C1FF



F191FF



# Sweetspot

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



DEB300



FFF0B3



DE002C



807752



000000



808080



# Same Dimension

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



DEB300



FFCE00



9BDE00



706E65



B08E00



302700



# Inverse Universe

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



002BDE



0031FF



4300DE



656770



0022B0



000930



# Previews

## White Background



This preview shows how the Hex color DEB300 looks on a white background.

## Color Contrast Check

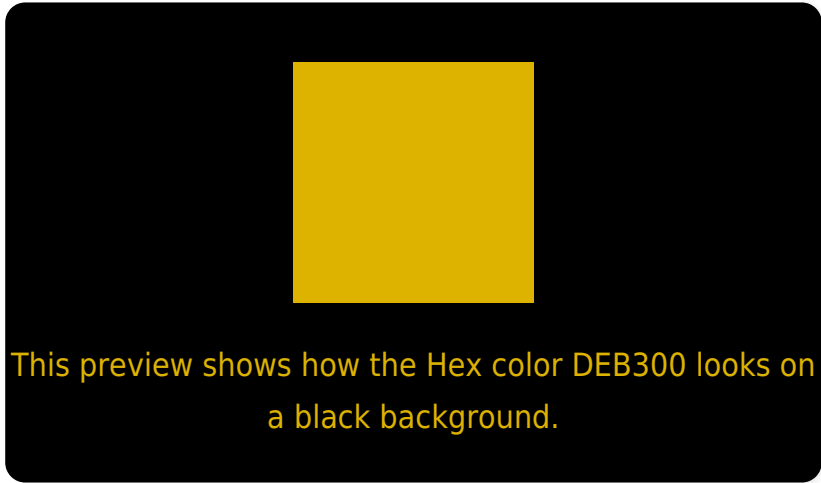
Large Text (above 18pt) WCAG AA × Fail

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 DEB300 Background



This preview shows how black text looks on a background with the Hex color DEB300.



This preview shows how white text looks on a background with the Hex color DEB300.

# 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**  
DEB300

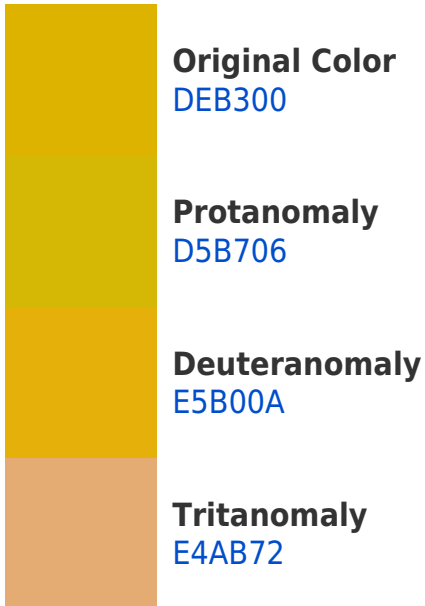
**Protanopia**  
D0B90A

**Deuteranopia**  
E9AE10

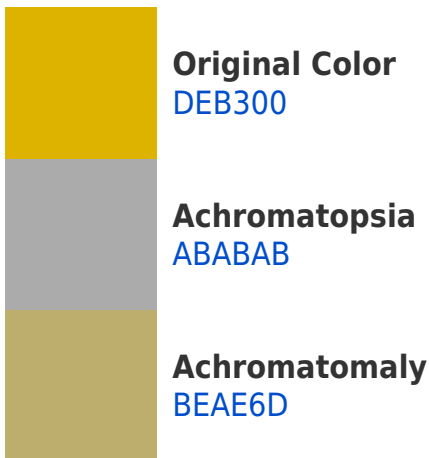


**Tritanopia**  
E7A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEB300 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 #DEB300 looks like.

```
.text, #text, p{  
    color:#DEB300  
}
```

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 #DEB300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEB300  
}
```

## Border

The CSS property to change the border of an element to Hex DEB300 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  
#DEB300 }
```

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

```
.border{ border-color:#DEB300 }
```

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

Here you see how a box with a 4 pixel #DEB300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEB300; -webkit-box-shadow:4px 4px  
4px 4px #DEB300; box-shadow:4px 4px 4px  
4px #DEB300 }
```

# Background

The CSS property to change the background color of an element to Hex DEB300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEB300 }
```

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

```
.background{ background-color:#DEB300 }
```

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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