

# Converting Colors

Hex(DEB437)

Have a look what the booklet for  
Hex(DEB437) contains.

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**Color**

**Hex(DEB437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB437
RGB	222, 180, 55
RGB Percent	87%, 71%, 22%
CMY	0.1294, 0.2941, 0.7843
CMYK	0.00, 0.19, 0.75, 0.13
HSL	45°, 72%, 54%
HSV	45°, 75%, 87%
XYZ	47.1350, 48.4479, 10.4815
YIQ	178.3080, 65.1570, -29.9710

# Conversions

## Conversions Part 2

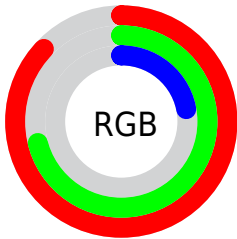
Format	Color
<a href="#">RYB</a>	<a href="#">111, 222, 55</a>
Decimal	<a href="#">14595127</a>
CIELab	<a href="#">75.11, 3.07, 65.42</a>
CIElCh	<a href="#">75, 65.491, 87.317</a>
Yxy	<a href="#">48.4479, 0.4444, 0.4568</a>
Android (android.graphics.Color)	<a href="#">4292785207</a> (0xFFDEB437)
YUV	<a href="#">178.3080, -60.7908, 38.3179</a>
Hunter-Lab	<a href="#">69.6046, -0.9308, 39.7949</a>

# Details

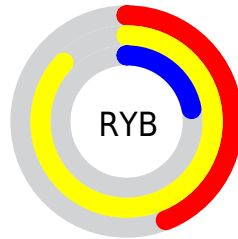
The Hex color **DEB437** is a light color, and the websafe version is hex **CC9900**. The color can be described as light muted orange. A complement of this color would be **3761DE**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **FFEB6E**, and **A38000** is the 20% darker color. If you saturate the color by 10%, you get **DEAE21**, and if you desaturate by 10%, it is **DEBA4D**.

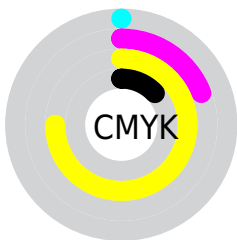
# Distribution



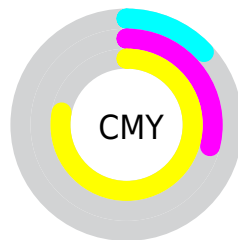
- Red (87%)
- Green (71%)
- Blue (22%)



- Red (44%)
- Yellow (87%)
- Blue (22%)



- Cyan (0%)
- Magenta (19%)
- Yellow (75%)
- Black (13%)



- Cyan (13%)
- Magenta (29%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEB437 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 DEB437 by changing the saturation by 10% instead.



 DEB437

 DEB437

FFFFFF

 C09916

 FFE66E

 A38000

 FFFF8A

 866700

 FFFFA6

 6A4F00

 FFFFC2

 4E3900

 FFFFDF

 342300

FFFFFFC

 1B0F00

 000000

 DEB437

 DEB437

 DEAE21

 DEBA4D

 DEA90B

 DEBF63

 DEA600

 DEC57A

 DECA90

 DED0A6

 DED5BC

 DEDBD2

 DEE1E9

 DEE6FF

# Harmonies

## Analogous

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



FF9D53



DEB437



A3C646

# Triad

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



DEB437



00D6EF



FD92FB

# Complementary

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



DEB437



3761DE

# 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.



B1ABFF



DEB437



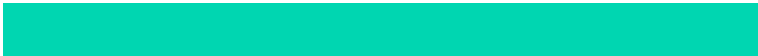
00CFFF

# Square

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



DEB437



00D6B1



00C1FF



FF82C1

# Rectangle

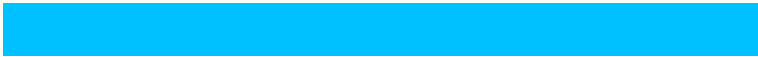
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DEB437



71CE63



00C1FF



E99AFF



# Sweetspot

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



DEB437



FFF0C4



DE3764



80775C



000000



808080



# Same Dimension

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



DEB437



FFC519



B7DE37



706D65



B08400



302400



# Inverse Universe

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



3761DE



1953FF



5E37DE



656870



002CB0



000C30



# Previews

## White Background



This preview shows how the Hex color DEB437 looks on a white background.

## Color Contrast Check

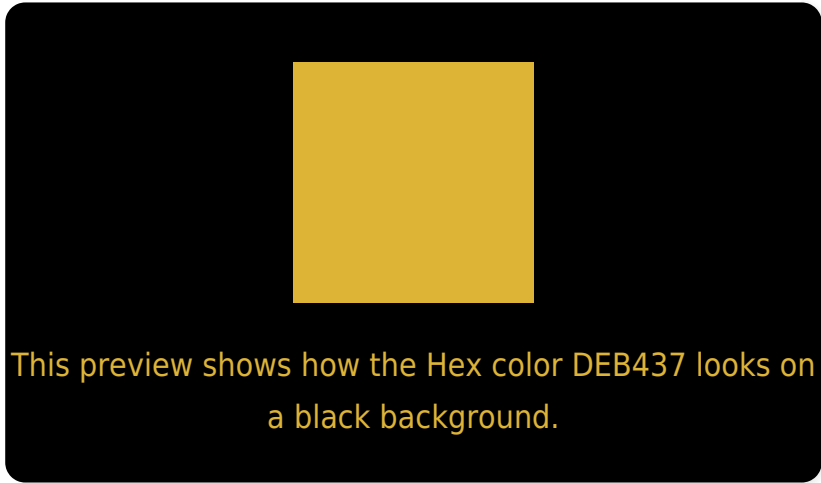
Large Text (above 18pt) WCAG AA × Fail

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 DEB437 Background



This preview shows how black text looks on a background with the Hex color DEB437.



This preview shows how white text looks on a background with the Hex color DEB437.

# 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**  
DEB437

**Protanopia**  
CFBA38

**Deuteranopia**  
E8B039



**Tritanopia**  
E7A8B5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEB437 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 #DEB437 looks like.

```
.text, #text, p{  
    color:#DEB437  
}
```

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 #DEB437 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEB437
}
```

## Border

The CSS property to change the border of an element to Hex DEB437 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
#DEB437 }
```

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

```
.border{ border-color:#DEB437 }
```

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

Here you see how a box with a 4 pixel #DEB437 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEB437; -webkit-box-shadow:4px 4px  
4px 4px #DEB437; box-shadow:4px 4px 4px  
4px #DEB437 }
```

# Background

The CSS property to change the background color of an element to Hex DEB437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEB437 }
```

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

```
.background{ background-color:#DEB437 }
```

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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