

# Converting Colors

Hex(DEAF13)

Have a look what the booklet for  
Hex(DEAF13) contains.

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# **Color**

**Hex(DEAF13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEAF13
RGB	222, 175, 19
RGB Percent	87%, 69%, 7%
CMY	0.1294, 0.3137, 0.9255
CMYK	0.00, 0.21, 0.91, 0.13
HSL	46°, 84%, 47%
HSV	46°, 91%, 87%
XYZ	45.5717, 46.2366, 7.1388
YIQ	171.2690, 78.0880, -38.5520

# Conversions

## Conversions Part 2

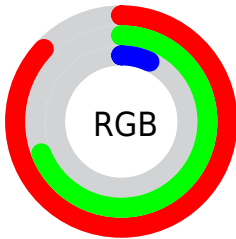
Format	Color
<a href="#">RYB</a>	<a href="#">80, 222, 19</a>
Decimal	<a href="#">14593811</a>
CIELab	<a href="#">73.70, 4.71, 74.01</a>
CIElCh	<a href="#">74, 74.156, 86.359</a>
Yxy	<a href="#">46.2366, 0.4606, 0.4673</a>
Android (android.graphics.Color)	<a href="#">4292783891</a> (0xFFDEAF13)
YUV	<a href="#">171.2690, -75.0686, 44.4911</a>
Hunter-Lab	<a href="#">67.9975, 0.6346, 41.3736</a>

# Details

The Hex color **DEAF13** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **1342DE**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **FFE656**, and **A27B00** is the 20% darker color. If you saturate the color by 10%, you get **DEAB00**, and if you desaturate by 10%, it is **DEB429**.

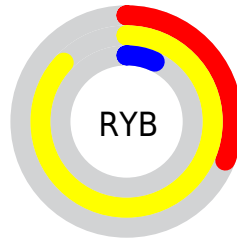
# Distribution



Red (87%)

Green (69%)

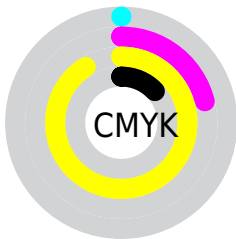
Blue (7%)



Red (31%)

Yellow (87%)

Blue (7%)

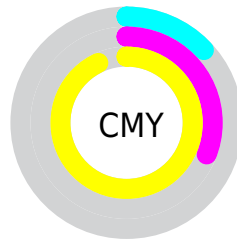


Cyan (0%)

Magenta (21%)

Yellow (91%)

Black (13%)



Cyan (13%)

Magenta (31%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEAF13 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 DEAF13 by changing the saturation by 10% instead.



 DEAF13

 DEAF13

FFFFFF

 C09500

 FFE656

 A27B00

 FFFF72

 856200

 FFFF8E

 684B00

 FFFFFAB

 4C3500

 FFFFC8

 322000

 FFFFE5

 1A0900

 000000

 DEAF13

 DEAF13

 DEAB00

 DEB429

 DEB93F

 DEBE56

 DEC46C

 DEC982

 DECE98

 DED3AE

 DED8C5

 DEDDDB

# Harmonies

## Analogous

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



FF9442



DEAF13



9CC32A

# Triad

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



DEAF13



00D5F0



FF88FF

# Complementary

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



DEAF13



1342DE

# 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.



A5A7FF



DEAF13



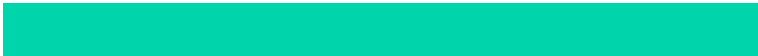
00CEFF

# Square

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



DEAF13



00D4AA



00C0FF



FF73C0

# Rectangle

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



DEAF13



63CC50



00C0FF



E792FF



# Sweetspot

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



DEAF13



FFEFBA



DE1342



807657



000000



808080



# Same Dimension

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



DEAF13



FFC400



A8DE13



706E65



B08700



302500



# Inverse Universe

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



1342DE



003BFF



4913DE



656870



0029B0



000B30



# Previews

## White Background



This preview shows how the Hex color DEAF13 looks on a white background.

## Color Contrast Check

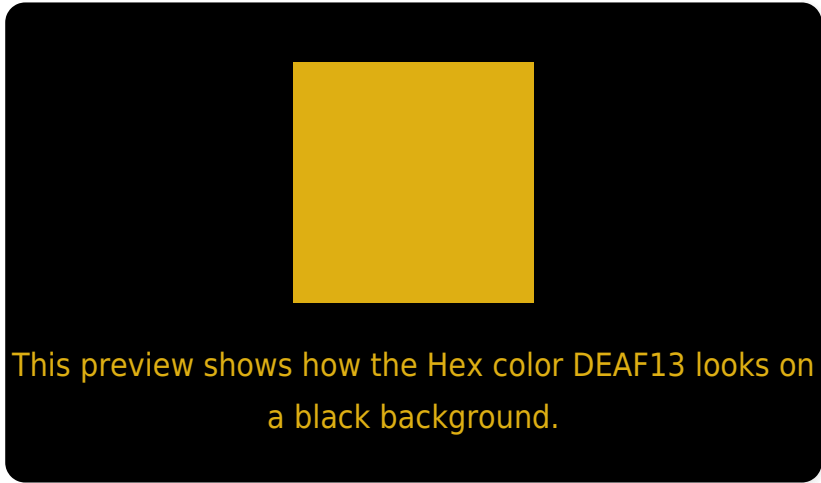
Large Text (above 18pt) WCAG AA × Fail

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 DEAF13 Background



This preview shows how black text looks on a background with the Hex color DEAF13.



This preview shows how white text looks on a background with the Hex color DEAF13.

# 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**  
DEAF13

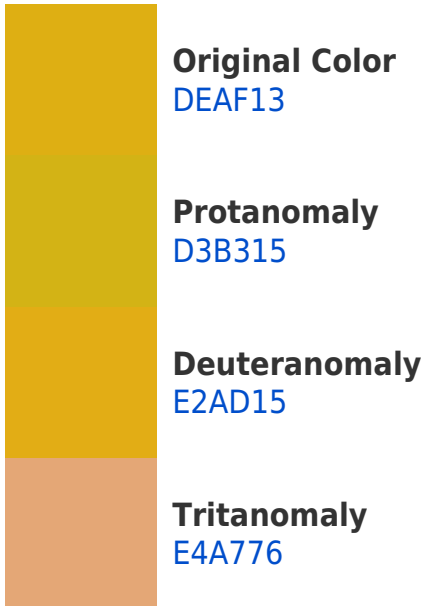
**Protanopia**  
CCB616

**Deuteranopia**  
E5AC16



**Tritanopia**  
E7A3AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEAF13 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 #DEAF13 looks like.

```
.text, #text, p{  
    color:#DEAF13  
}
```

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 #DEAF13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEAF13
}
```

## Border

The CSS property to change the border of an element to Hex DEAF13 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
#DEAF13 }
```

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

```
.border{ border-color:#DEAF13 }
```

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

Here you see how a box with a 4 pixel #DEAF13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEAF13; -webkit-box-shadow:4px 4px  
4px 4px #DEAF13; box-shadow:4px 4px 4px  
4px #DEAF13 }
```

# Background

The CSS property to change the background color of an element to Hex DEAF13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEAF13 }
```

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

```
.background{ background-color:#DEAF13 }
```

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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