

Converting Colors

Hex(DEAA33)

Have a look what the booklet for
Hex(DEAA33) contains.

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Color

Hex(DEAA33)

Conversions

Conversions Part 1

Format	Color
Hex	DEAA33
RGB	222, 170, 51
RGB Percent	87%, 67%, 20%
CMY	0.1294, 0.3333, 0.8000
CMYK	0.00, 0.23, 0.77, 0.13
HSL	42°, 72%, 54%
HSV	42°, 77%, 87%
XYZ	45.0965, 44.5181, 9.3480
YIQ	171.9820, 69.1910, -25.9850

Conversions

Conversions Part 2

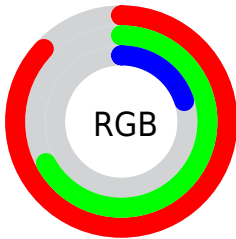
Format	Color
RYB	126, 222, 51
Decimal	14592563
CIELab	72.57, 8.19, 64.48
CIELCh	73, 65.001, 82.758
Yxy	44.5181, 0.4557, 0.4498
Android (android.graphics.Color)	4292782643 (0xFFDEAA33)
YUV	171.9820, -59.6441, 43.8658
Hunter-Lab	66.7219, 3.8827, 38.3986

Details

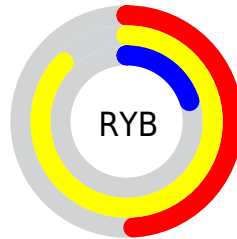
The Hex color **DEAA33** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **3367DE**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **FFE16A**, and **A27600** is the 20% darker color. If you saturate the color by 10%, you get **DEA31D**, and if you desaturate by 10%, it is **DEB149**.

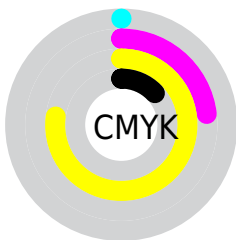
Distribution



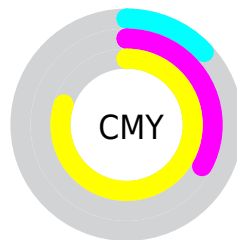
- Red (87%)
- Green (67%)
- Blue (20%)



- Red (49%)
- Yellow (87%)
- Blue (20%)



- Cyan (0%)
- Magenta (23%)
- Yellow (77%)
- Black (13%)



- Cyan (13%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color DEAA33 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 DEAA33 by changing the saturation by 10% instead.

 DEAA33

 DEAA33

FFFFFF

 C09011

 FFE16A

 A27600

 FFFE85

 855E00

 FFFFA1

 694600

 FFFFBD

 4D3000

 FFFFDA

 331C00

 FFFFF7

 1B0300

 000000

 DEAA33

 DEAA33

■ DEA31D

■ DEB149

■ DE9C07

■ DEB85F

■ DE9A00

■ DEBE76

■ DEC58C

■ DECCA2

■ DED3B8

■ DED9CE

■ DEE0E5

■ DEE7FB

Harmonies

Analogous

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



FF9354



DEAA33



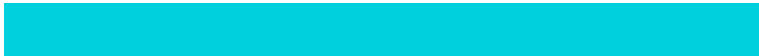
A6BC3B

Triad

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



DEAA33



00CFDE



EC8FFB

Complementary

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



DEAA33



3367DE

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.



9AA8FF



DEAA33



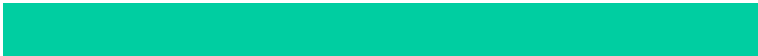
00CAFF

Square

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



DEAA33



00CEA1



00BDFE



FF7DC3

Rectangle

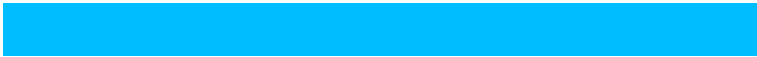
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DEAA33



77C556



00BDFF



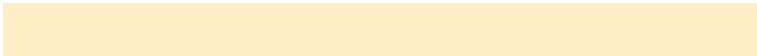
D697FF

Sweetspot

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



DEAA33



FFEDC4



DE3369



80755C



000000



808080

Same Dimension

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



DEAA33



FFB814



BFDE33



706D65



B07A00



302200

Inverse Universe

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



3367DE



145CFF



5233DE



656870



0036B0



000F30

Previews

White Background



This preview shows how the Hex color DEAA33 looks on a white background.

Color Contrast Check

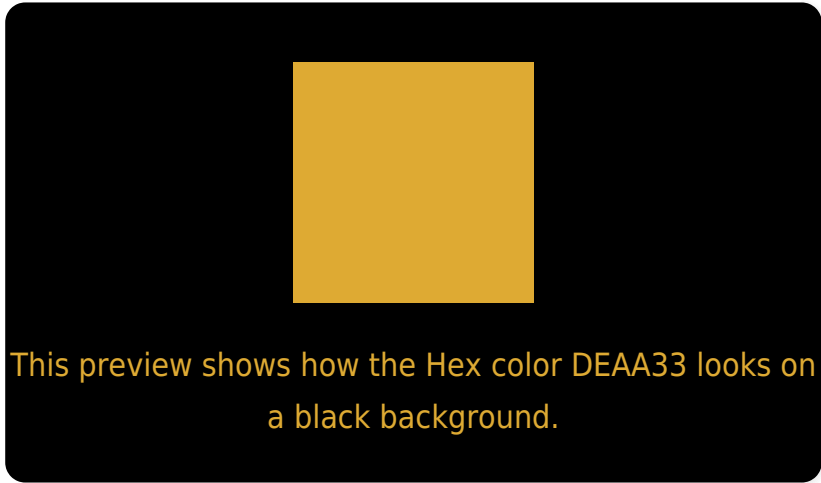
Large Text (above 18pt) WCAG AA × Fail

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 DEAA33 Background



This preview shows how black text looks on a background with the Hex color DEAA33.



This preview shows how white text looks on a background with the Hex color DEAA33.

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
DEAA33

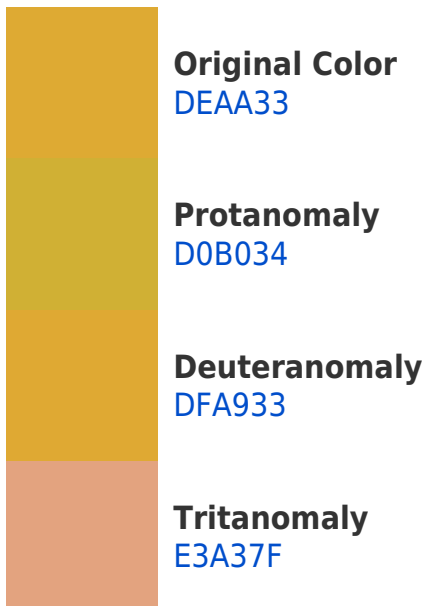
Protanopia
C8B335

Deuteranopia
E0A933

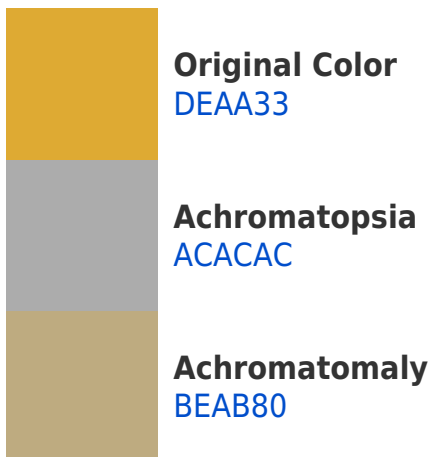


Tritanopia
E69FAB

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex DEAA33 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 #DEAA33 looks like.

```
.text, #text, p{  
    color:#DEAA33  
}
```

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 #DEAA33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEAA33  
}
```

Border

The CSS property to change the border of an element to Hex DEAA33 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  
#DEAA33 }
```

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

```
.border{ border-color:#DEAA33 }
```

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

Here you see how a box with a 4 pixel #DEAA33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEAA33; -webkit-box-shadow:4px 4px  
4px 4px #DEAA33; box-shadow:4px 4px 4px  
4px #DEAA33 }
```

Background

The CSS property to change the background color of an element to Hex DEAA33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEAA33 }
```

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

```
.background{ background-color:#DEAA33 }
```

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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