

# Converting Colors

Hex(DED235)

Have a look what the booklet for  
Hex(DED235) contains.

|  |    |
|--|----|
| <b>Hex(DED235)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# **Color**

**Hex(DED235)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DED235                      |
| RGB         | 222, 210, 53                |
| RGB Percent | 87%, 82%, 21%               |
| CMY         | 0.1294, 0.1765, 0.7922      |
| CMYK        | 0.00, 0.05, 0.76, 0.13      |
| HSL         | 56°, 72%, 54%               |
| HSV         | 56°, 76%, 87%               |
| XYZ         | 53.8134, 61.8798, 12.4759   |
| YIQ         | 195.6900, 57.5490, -46.2830 |

# Conversions

## Conversions Part 2

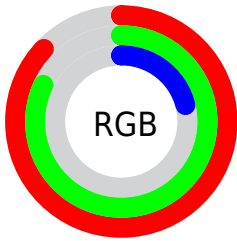
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 66, 222, 53                    |
| Decimal                             | 14602805                       |
| CIELab                              | 82.85, -12.44, 73.29           |
| CIELCh                              | 83, 74.337, 99.631             |
| Yxy                                 | 61.8798, 0.4199,<br>0.4828     |
| Android<br>(android.graphics.Color) | 4292792885<br>(0xFFDED235)     |
| YUV                                 | 195.6900, -70.3462,<br>23.0739 |
| Hunter-Lab                          | 78.6637, -15.5507,<br>45.6613  |

# Details

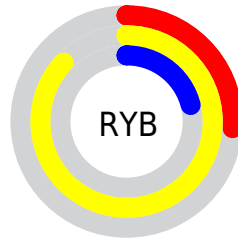
The Hex color **DED235** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **3541DE**, and the grayscale version is **C4C4C4**.

A 20% lighter version of the original color is **FFFF70**, and **A39C00** is the 20% darker color. If you saturate the color by 10%, you get **DED01F**, and if you desaturate by 10%, it is **DED44B**.

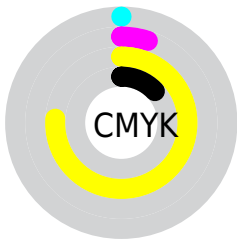
# Distribution



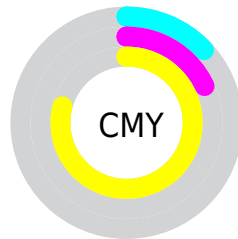
- Red (87%)
- Green (82%)
- Blue (21%)



- Red (26%)
- Yellow (87%)
- Blue (21%)



- Cyan (0%)
- Magenta (5%)
- Yellow (76%)
- Black (13%)



- Cyan (13%)
- Magenta (18%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DED235 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 DED235 by changing the saturation by 10% instead.



 DED235

 DED235

FFFFFF

 C0B70B

 FFFF70

 A39C00

 FFFF8C

 868200

 FFFFA9

 6A6900

 FFFFC5

 4E5100

 FFFFEE3

 343B00

 1B2500

 001200

 000000

 DED235

 DED235

 DED01F

 DED44B

 DECF09

 DED561

 DECE00

 DED778

 DED88E

 DEDAA4

 DEDBBA

 DEDDD0

 DEDFE7

 DEE0FD

# Harmonies

## Analogous

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



FFB945



DED235



92E35B

# Triad

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



DED235



00EDFF



FF96FF

# Complementary

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



DED235



3541DE

# 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.



EFB2FF



DED235



00E3FF

# Square

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



DED235



00F0E4



6ACFFF



FF8DBA

# Rectangle

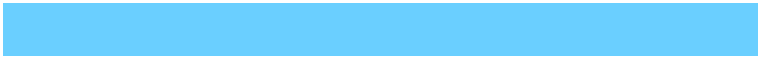
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DED235



44EA84



6ACFFF



FF9EFF



# Sweetspot

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



DED235



FFFBC4



DE3543



807D5C



000000



808080



# Same Dimension

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



DED235



FFEF17



98DE35



706F65



B0A300



302D00



# Inverse Universe

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



3541DE



1727FF



7B35DE



656670



000CB0



000330



# Previews

## White Background



This preview shows how the Hex color DED235 looks on a white background.

## Color Contrast Check

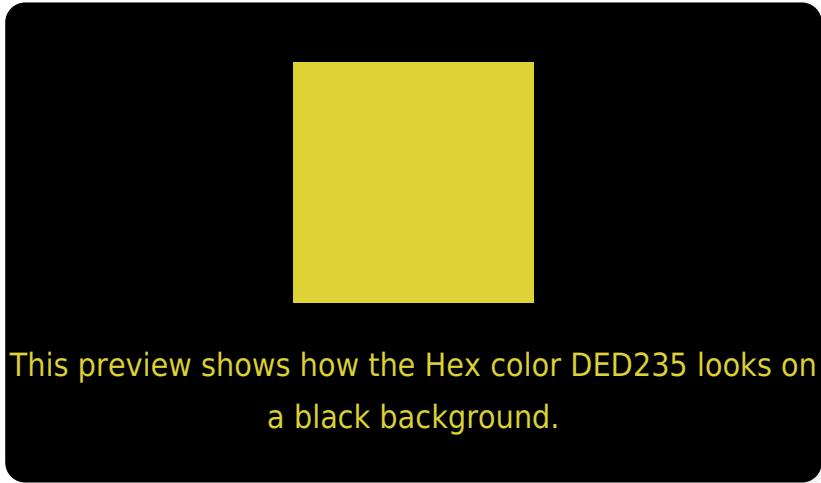
Large Text (above 18pt) WCAG AA × Fail

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 DED235 Background



This preview shows how black text looks on a background with the Hex color DED235.

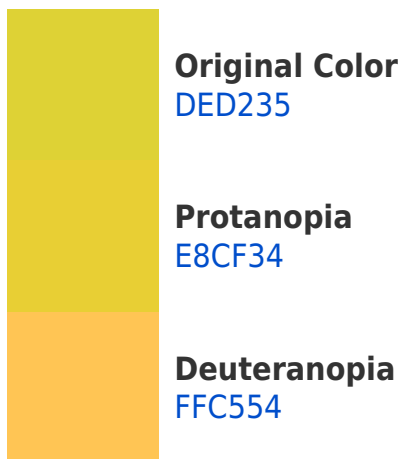


This preview shows how white text looks on a background with the Hex color DED235.

# 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](#).

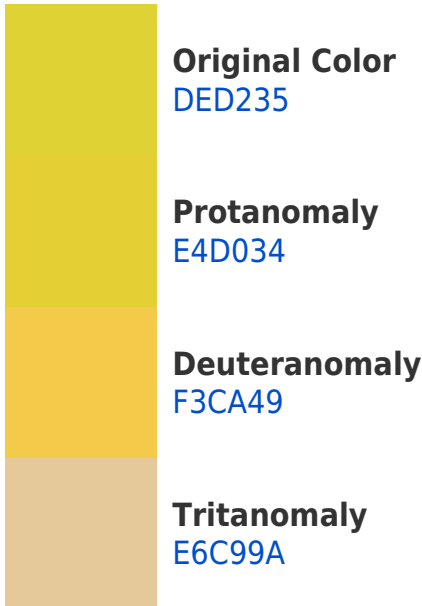
## Dichromacy



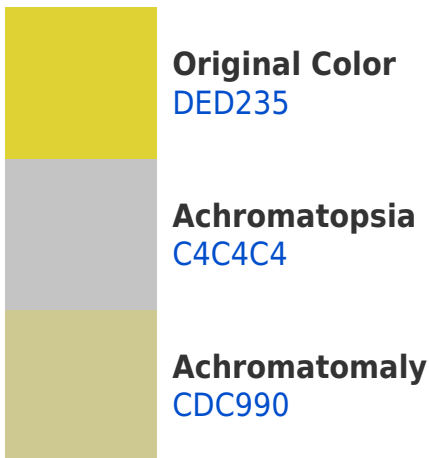


**Tritanopia**  
EBC4D3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DED235 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 #DED235 looks like.

```
.text, #text, p{  
    color:#DED235  
}
```

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 #DED235 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DED235
}
```

## Border

The CSS property to change the border of an element to Hex DED235 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
#DED235 }
```

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

```
.border{ border-color:#DED235 }
```

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

Here you see how a box with a 4 pixel #DED235 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DED235; -webkit-box-shadow:4px 4px  
4px 4px #DED235; box-shadow:4px 4px 4px  
4px #DED235 }
```

# Background

The CSS property to change the background color of an element to Hex DED235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DED235 }
```

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

```
.background{ background-color:#DED235 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor