

# Converting Colors

Hex(DBEF37)

Have a look what the booklet for  
Hex(DBEF37) contains.

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**Color**

**Hex(DBEF37)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DBEF37                      |
| RGB         | 219, 239, 55                |
| RGB Percent | 86%, 94%, 22%               |
| CMY         | 0.1412, 0.0627, 0.7843      |
| CMYK        | 0.08, 0.00, 0.77, 0.06      |
| HSL         | 67°, 85%, 58%               |
| HSV         | 67°, 77%, 94%               |
| XYZ         | 60.7695, 77.0689, 15.2873   |
| YIQ         | 212.0440, 47.1440, -61.4640 |

# Conversions

## Conversions Part 2

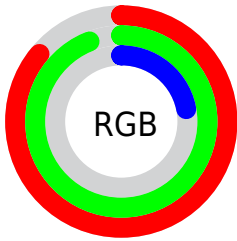
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 55, 239, 75                   |
| Decimal                             | 14413623                      |
| CIELab                              | 90.35, -27.68, 79.42          |
| CIElCh                              | 90, 84.103, 109.212           |
| Yxy                                 | 77.0689, 0.3969,<br>0.5033    |
| Android<br>(android.graphics.Color) | 4292603703<br>(0xFFDBEF37)    |
| YUV                                 | 212.0440, -77.4227,<br>6.1004 |
| Hunter-Lab                          | 87.7889, -30.0687,<br>51.1276 |

# Details

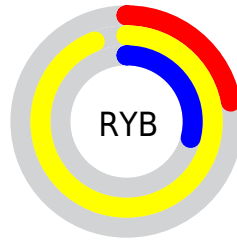
The Hex color **DBEF37** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **4B37EF**, and the grayscale version is **D5D5D5**.

A 20% lighter version of the original color is **FFFF75**, and **A0B700** is the 20% darker color. If you saturate the color by 10%, you get **D8EF1F**, and if you desaturate by 10%, it is **DEEF4F**.

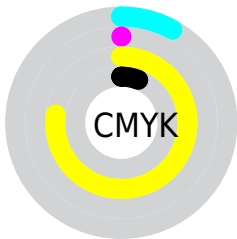
# Distribution



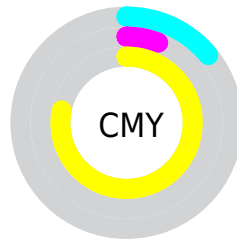
- Red (86%)
- Green (94%)
- Blue (22%)



- Red (22%)
- Yellow (94%)
- Blue (29%)



- Cyan (8%)
- Magenta (0%)
- Yellow (77%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DBEF37 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 DBEF37 by changing the saturation by 10% instead.



 DBEF37

 DBEF37

FFFFFF

 BDD305

 FFFF75

 A0B700

 FFFF92

 839C00

 FFFFFAF


 678200

 FFFFCC

 4B6900

 FFFFEEA

 2E5100

 113A00

 002400

 000200

 DBEF37

 DBEF37

 D8EF1F

 DEEF4F

 D6EF07

 E0EF67

 D5EF00

 E3EF7F

 E5EF97

 E8EFAE

 EBEFC6

 EDEFDE

 F0EFF6

 F2EFFF

# Harmonies

## Analogous

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



FFD535



DBEF37



78FF74

# Triad

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



DBEF37



00FFFF



FF9AFF

# Complementary

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



DBEF37



4B37EF

# 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.



FFB7FF



DBEF37



00F5FF

# Square

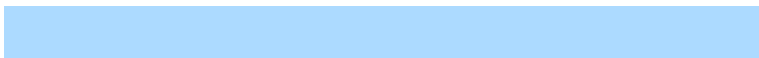
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



DBEF37



00FFFF



ACDAFF



FF99B3

# Rectangle

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



DBEF37



00FFA7



ACDAFF



FFA2FF



# Sweetspot

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



DBEF37



F9FFC4



EF4937



7C805C



000000



808080



# Same Dimension

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



DBEF37



E5FF14



81EF37



77786C



A4B800



323800



# Inverse Universe

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



4B37EF



2E14FF



A537EF



6D6C78



1400B8

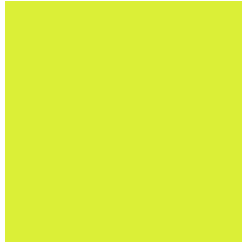


060038



# Previews

## White Background



This preview shows how the Hex color DBEF37 looks on a white background.

## Color Contrast Check

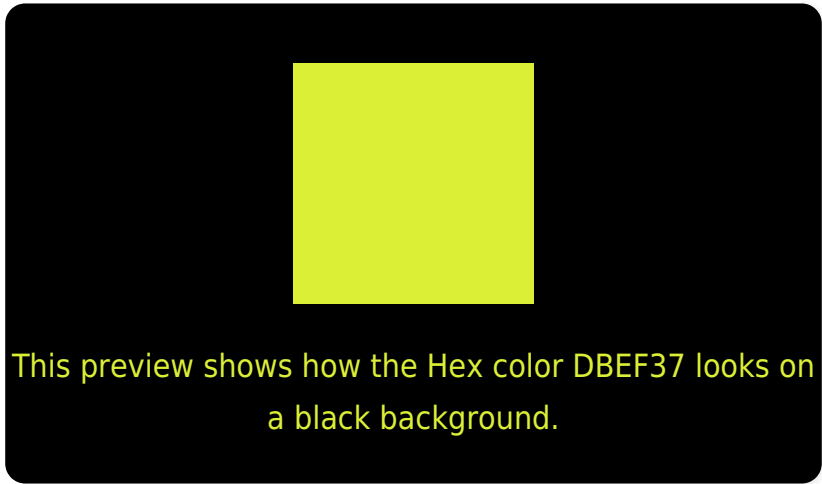
Large Text (above 18pt) WCAG AA × Fail

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 DBEF37 Background



This preview shows how black text looks on a background with the Hex color DBEF37.



This preview shows how white text looks on a background with the Hex color DBEF37.

# 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



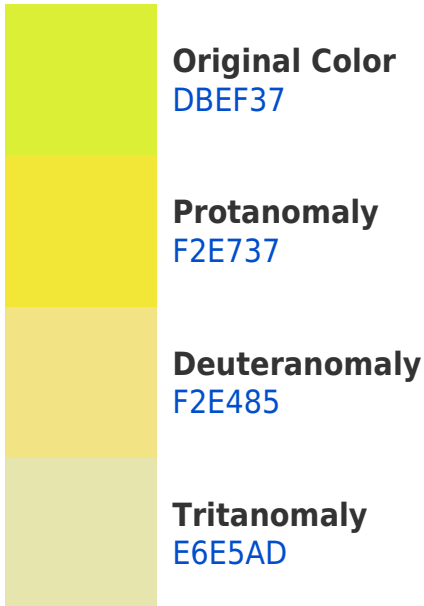
**Original Color**  
DBEF37

**Protanopia**  
FFE337

**Deuteranopia**  
FFDEB1



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DBEF37 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 #DBEF37 looks like.

```
.text, #text, p{  
    color:#DBEF37  
}
```

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 #DBEF37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DBEF37
}
```

## Border

The CSS property to change the border of an element to Hex DBEF37 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
#DBEF37 }
```

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

```
.border{ border-color:#DBEF37 }
```

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

Here you see how a box with a 4 pixel #DBEF37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DBEF37; -webkit-box-shadow:4px 4px  
4px 4px #DBEF37; box-shadow:4px 4px 4px  
4px #DBEF37 }
```

# Background

The CSS property to change the background color of an element to Hex DBEF37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DBEF37 }
```

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

```
.background{ background-color:#DBEF37 }
```

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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