

# Converting Colors

Hex(8DE732)

Have a look what the booklet for  
Hex(8DE732) contains.

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**Color**

**Hex(8DE732)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 8DE732                     |
| RGB         | 141, 231, 50               |
| RGB Percent | 55%, 91%, 20%              |
| CMY         | 0.4471, 0.0941, 0.8039     |
| CMYK        | 0.39, 0.00, 0.78, 0.09     |
| HSL         | 90°, 79%, 55%              |
| HSV         | 90°, 78%, 91%              |
| XYZ         | 40.1361, 63.0448, 13.0711  |
| YIQ         | 183.4560, 4.4610, -75.3710 |

# Conversions

## Conversions Part 2

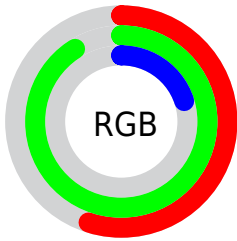
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">50, 231, 140</a>                                 |
| Decimal                             | <a href="#">9299762</a>                                      |
| CIELab                              | <a href="#">83.47, -53.61, 72.83</a>                         |
| CIELCh                              | <a href="#">83, 90.437, 126.358</a>                          |
| Yxy                                 | <a href="#">63.0448, 0.3453, 0.5423</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4287489842</a><br>( <a href="#">0xFF8DE732</a> ) |
| YUV                                 | <a href="#">183.4560, -65.7938, -37.2339</a>                 |
| Hunter-Lab                          | <a href="#">79.4008, -48.7218, 45.8201</a>                   |

# Details

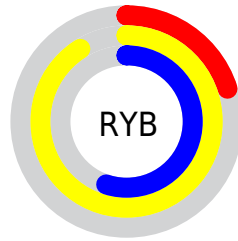
The Hex color **8DE732** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **8C32E7**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **C8FF6F**, and **51AF00** is the 20% darker color. If you saturate the color by 10%, you get **82E71B**, and if you desaturate by 10%, it is **98E749**.

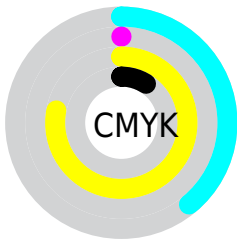
# Distribution



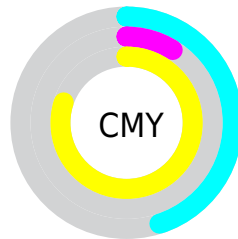
- Red (55%)
- Green (91%)
- Blue (20%)



- Red (20%)
- Yellow (91%)
- Blue (55%)



- Cyan (39%)
- Magenta (0%)
- Yellow (78%)
- Black (9%)



- Cyan (45%)
- Magenta (9%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8DE732 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 8DE732 by changing the saturation by 10% instead.



 8DE732

 8DE732

FFFFFF

 6FCB00

 C8FF6F

 51AF00

 E6FF8B

 2F9400

 FFFFA8

 007900

 FFFFC5

 005F00

 FFFF E3

 004700

 003000

 001400

 000000

 8DE732

 8DE732

 82E71B

 98E749

 76E704

 A4E760

 74E700

 AFE777

 BBE78E

 C6E7A6

 D2E7BD

 DDE7D4

 E9E7EB

 F4E7FF

# Harmonies

## Analogous

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



E7D200



8DE732



00F288

# Triad

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



8DE732



00EBFF



FF75C1

# Complementary

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



8DE732



8C32E7

# 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.



FF88FF



8DE732



00D4FF

# Square

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



8DE732



00F5FF



E8B1FF



FF8C6F

# Rectangle

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



8DE732



00F6C3



E8B1FF



FF77DE

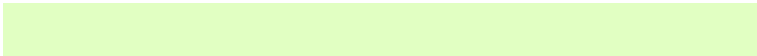


# Sweetspot

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



8DE732



E1FFC2



E78932



6D805B



000000



808080



# Same Dimension

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



8DE732



88FF0F



35E732



6D7367



5AB300



1A3300



# Inverse Universe

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



8C32E7



860FFF



E432E7



6D6773



5900B3

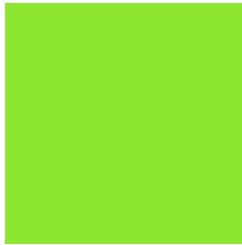


190033



# Previews

## White Background



This preview shows how the Hex color 8DE732 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



This preview shows how the Hex color 8DE732 looks on a 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 8DE732 Background



This preview shows how black text looks on a background with the Hex color 8DE732.

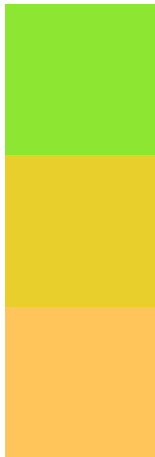


This preview shows how white text looks on a background with the Hex color 8DE732.

# 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**  
8DE732

**Protanopia**  
E9CF2C

**Deuteranopia**  
FFC55A



**Tritanopia**  
A6D7E8

# Trichromacy



**Original Color**  
8DE732



**Protanomaly**  
C8D82E



**Deuteranomaly**  
D6D14B

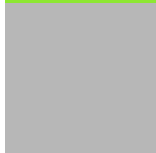


**Tritanomaly**  
9DDDA6

# Monochromacy



**Original Color**  
8DE732



**Achromatopsia**  
B7B7B7



**Achromatomaly**  
A8C887

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8DE732 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 #8DE732 looks like.

```
.text, #text, p{  
    color:#8DE732  
}
```

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 #8DE732 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8DE732
}
```

## Border

The CSS property to change the border of an element to Hex 8DE732 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
#8DE732 }
```

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

```
.border{ border-color:#8DE732 }
```

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

Here you see how a box with a 4 pixel #8DE732 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8DE732; -webkit-box-shadow:4px 4px  
4px 4px #8DE732; box-shadow:4px 4px 4px  
4px #8DE732 }
```

# Background

The CSS property to change the background color of an element to Hex 8DE732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8DE732 }
```

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

```
.background{ background-color:#8DE732 }
```

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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