

# Converting Colors

Hex(5DE446)

Have a look what the booklet for  
Hex(5DE446) contains.

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**Color**

**Hex(5DE446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE446
RGB	93, 228, 70
RGB Percent	36%, 89%, 27%
CMY	0.6353, 0.1059, 0.7255
CMYK	0.59, 0.00, 0.69, 0.11
HSL	111°, 75%, 58%
HSV	111°, 69%, 89%
XYZ	33.3631, 58.2562, 15.2805
YIQ	169.6230, -29.7420, -77.7580

# Conversions

## Conversions Part 2

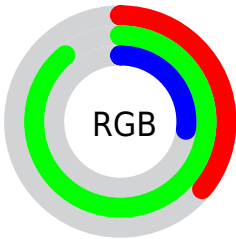
Format	Color
<a href="#">RYB</a>	<a href="#">70, 228, 205</a>
Decimal	<a href="#">6153286</a>
CIELab	<a href="#">80.88, -64.88, 63.10</a>
CIELCh	<a href="#">81, 90.509, 135.798</a>
Yxy	<a href="#">58.2562, 0.3121, 0.5450</a>
Android (android.graphics.Color)	<a href="#">4284343366 (0xFF5DE446)</a>
YUV	<a href="#">169.6230, -49.1141, -67.1984</a>
Hunter-Lab	<a href="#">76.3257, -55.5450, 41.5581</a>

# Details

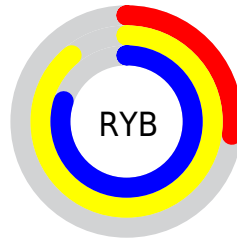
The Hex color **5DE446** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **CD46E4**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **9CFF7E**, and **00AB00** is the 20% darker color. If you saturate the color by 10%, you get **4AE42F**, and if you desaturate by 10%, it is **70E45D**.

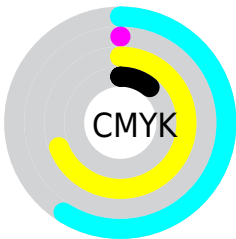
# Distribution



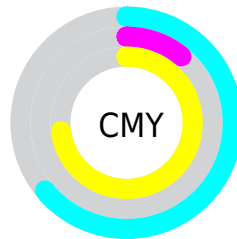
- Red (36%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (80%)



- Cyan (59%)
- Magenta (0%)
- Yellow (69%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DE446 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 5DE446 by changing the saturation by 10% instead.



 5DE446

 5DE446


FFFFFF

 39C727

 9CFF7E

 00AB00


 BAFF9A

 009000

 D9FFB6

 007500

 F7FFD3

 005B00

 FFFFF0

 004200

 002A00

 000600

 000000

 5DE446

 5DE446

 4AE42F

 70E45D

 36E418

 84E474

 23E402

 97E48A

 21E400

 ABE4A1

 BEE4B8

 D2E4CF

 E5E4E6

 F9E4FC

 FFE4FF

# Harmonies

## Analogous

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



C6D300



5DE446



00ED9C

# Triad

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



5DE446



00DEFF



FF70A0

# Complementary

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



5DE446



CD46E4

# 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.



FF76F5



5DE446



62C3FF

# Square

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



5DE446



00ECFF



FF9CFF



FF9051

# Rectangle

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



5DE446



00EFD7



FF9CFF



FF6CBC

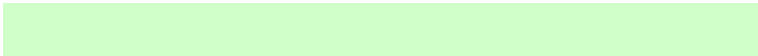


# Sweetspot

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



5DE446



D1FFC9



E4CC46



648060



000000



808080



# Same Dimension

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



5DE446



4AFF2B



46E47D



697367



1AB300



073300



# Inverse Universe

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



CD46E4



E02BFF



E446AD



716773



9900B3

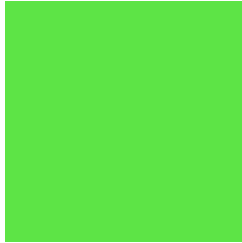


2C0033



# Previews

## White Background



This preview shows how the Hex color 5DE446 looks on a white background.

## Color Contrast Check

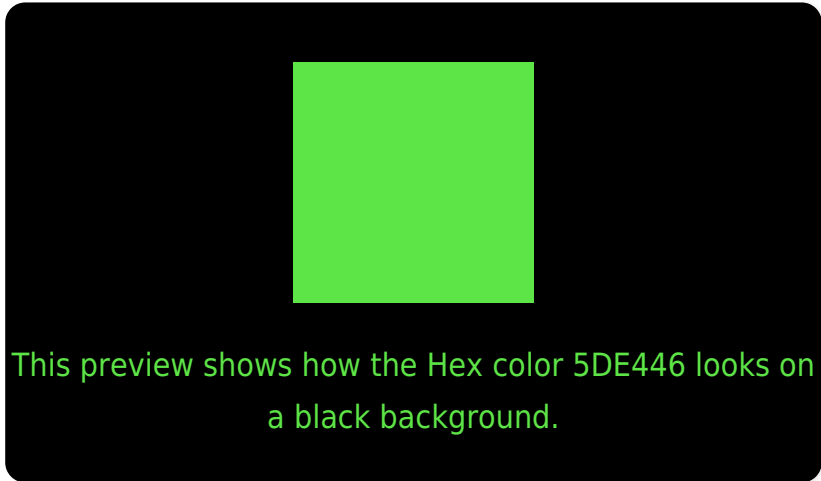
Large Text (above 18pt) WCAG AA × Fail

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

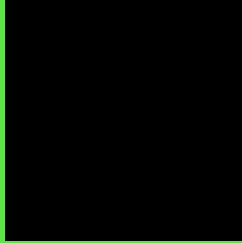
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5DE446 Background



This preview shows how black text looks on a background with the Hex color 5DE446.

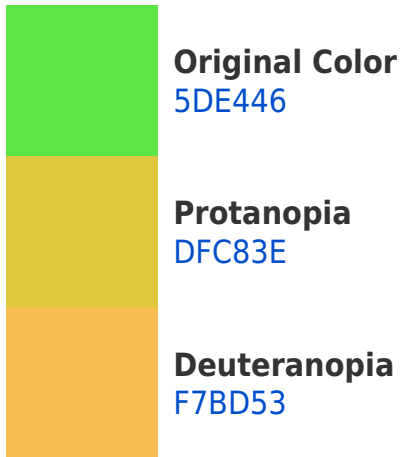


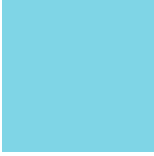
This preview shows how white text looks on a background with the Hex color 5DE446.

# 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**  
7FD5E6

# Trichromacy



**Original Color**  
5DE446



**Protanomaly**  
B0D241



**Deuteranomaly**  
BFCB4E



**Tritanomaly**  
73DAAC

# Monochromacy



**Original Color**  
5DE446



**Achromatopsia**  
AAAAAA



**Achromatomaly**  
8EBF86

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DE446 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 #5DE446 looks like.

```
.text, #text, p{  
    color:#5DE446  
}
```

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 #5DE446 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DE446
}
```

## Border

The CSS property to change the border of an element to Hex 5DE446 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
#5DE446 }
```

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

```
.border{ border-color:#5DE446 }
```

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

Here you see how a box with a 4 pixel #5DE446 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DE446; -webkit-box-shadow:4px 4px  
4px 4px #5DE446; box-shadow:4px 4px 4px  
4px #5DE446 }
```

# Background

The CSS property to change the background color of an element to Hex 5DE446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DE446 }
```

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

```
.background{ background-color:#5DE446 }
```

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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