

# Converting Colors

Hex(33D438)

Have a look what the booklet for  
Hex(33D438) contains.

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**Color**

**Hex(33D438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33D438
RGB	51, 212, 56
RGB Percent	20%, 83%, 22%
CMY	0.8000, 0.1686, 0.7804
CMYK	0.76, 0.00, 0.74, 0.17
HSL	122°, 65%, 52%
HSV	122°, 76%, 83%
XYZ	25.6225, 48.0763, 11.6706
YIQ	146.0770, -45.8800, -82.6480

# Conversions

## Conversions Part 2

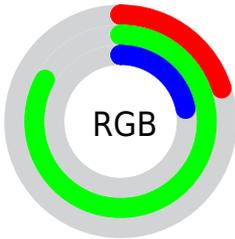
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 207, 212
Decimal	3396664
CIELab	74.87, -68.70, 61.67
CIELCh	75, 92.320, 138.084
Yxy	48.0763, 0.3001, 0.5632
Android (android.graphics.Color)	4281586744 (0xFF33D438)
YUV	146.0770, -44.4080, -83.3825
Hunter-Lab	69.3371, -55.3777, 38.5565

# Details

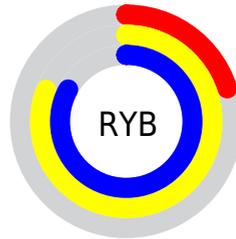
The Hex color **33D438** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **D433CF**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **7BFF70**, and **009C00** is the 20% darker color. If you saturate the color by 10%, you get **1ED423**, and if you desaturate by 10%, it is **48D44D**.

# Distribution



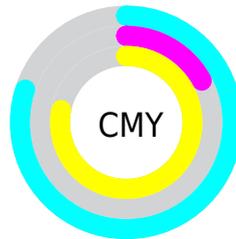
- Red (20%)
- Green (83%)
- Blue (22%)



- Red (20%)
- Yellow (81%)
- Blue (83%)



- Cyan (76%)
- Magenta (0%)
- Yellow (74%)
- Black (17%)



- Cyan (80%)
- Magenta (17%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33D438 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 33D438 by changing the saturation by 10% instead.



33D438



33D438

FFFFFF



00B816



7BFF70



009C00



9BFF8C



008100



BAFFA8



006600



D9FFC5



004C00



F8FFE2



003500



001A00



000000



33D438



33D438

 1ED423

 48D44D

 09D40F

 5DD461

 00D407

 73D476

 88D48A

 9DD49F

 B2D4B3

 C7D4C8

 DDD4DC

 F2D4F1

# Harmonies

## Analogous

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



ADC400



33D438



00DC92

# Triad

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



33D438



00CCFF



FF5A89

# Complementary

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



33D438



D433CF

# 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.



FF5CDE



33D438



59B1FF

# Square

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



33D438



00DAFF



FA87FF



FF8138

# Rectangle

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



33D438



00DECE



FA87FF



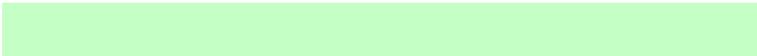
FF54A5

# Sweetspot

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



33D438



C4FFC6



D1D433



5C805D



000000



808080



# Same Dimension

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



33D438



17FF1E



33D486



606B61



00AB05



002B01



# Inverse Universe

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



D433CF



FF17F8



D43381



6B606B



AB00A6

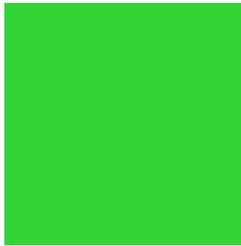


2B002A



# Previews

## White Background



This preview shows how the Hex color 33D438 looks on a white background.

## Color Contrast Check

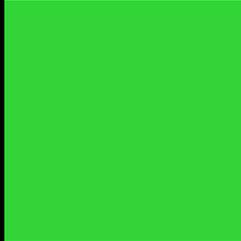
Large Text (above 18pt) WCAG AA × Fail

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 33D438 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

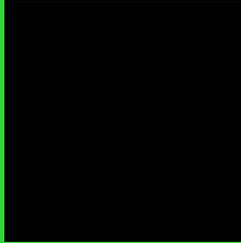
Any Text WCAG AA ✓ Pass

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 33D438 Background



This preview shows how black text looks on a background with the Hex color 33D438.

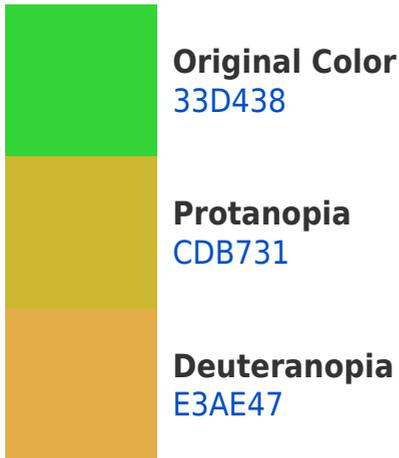


This preview shows how white text looks on a background with the Hex color 33D438.

# 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**  
62C6D6

# Trichromacy



**Original Color**  
33D438



**Protanomaly**  
95C234



**Deuteranomaly**  
A3BC42



**Tritanomaly**  
51CB9D

# Monochromacy



**Original Color**  
33D438



**Achromatopsia**  
929292



**Achromatomaly**  
6FAA71

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33D438 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 #33D438 looks like.

```
.text, #text, p{  
    color:#33D438  
}
```

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 #33D438 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33D438
}
```

## Border

The CSS property to change the border of an element to Hex 33D438 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
#33D438 }
```

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

```
.border{ border-color:#33D438 }
```

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

Here you see how a box with a 4 pixel #33D438 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33D438; -webkit-box-shadow:4px 4px  
4px 4px #33D438; box-shadow:4px 4px 4px  
4px #33D438 }
```

# Background

The CSS property to change the background color of an element to Hex 33D438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33D438 }
```

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

```
.background{ background-color:#33D438 }
```

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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