

# Converting Colors

Hex(37DC50)

Have a look what the booklet for  
Hex(37DC50) contains.

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**Color**

**Hex(37DC50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37DC50
RGB	55, 220, 80
RGB Percent	22%, 86%, 31%
CMY	0.7843, 0.1373, 0.6863
CMYK	0.75, 0.00, 0.64, 0.14
HSL	129°, 70%, 54%
HSV	129°, 75%, 86%
XYZ	28.6167, 52.5778, 16.2297
YIQ	154.7050, -53.4000, -78.5200

# Conversions

## Conversions Part 2

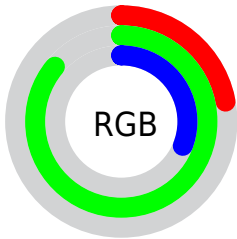
Format	Color
R <sub>YB</sub>	55, 198, 220
Decimal	3660880
CIE Lab	77.63, -68.44, 55.38
CIE LCh	78, 88.039, 141.021
Yxy	52.5778, 0.2937, 0.5397
Android (android.graphics.Color)	4281850960 (0xFF37DC50)
YUV	154.7050, -36.8296, -87.4413
Hunter-Lab	72.5106, -56.4474, 37.4868

# Details

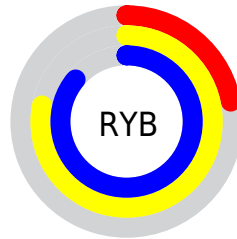
The Hex color **37DC50** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **DC37C3**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **7EFF86**, and **00A314** is the 20% darker color. If you saturate the color by 10%, you get **21DC3D**, and if you desaturate by 10%, it is **4DDC63**.

# Distribution



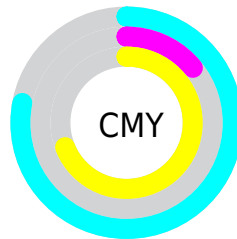
- Red (22%)
- Green (86%)
- Blue (31%)



- Red (22%)
- Yellow (78%)
- Blue (86%)



- Cyan (75%)
- Magenta (0%)
- Yellow (64%)
- Black (14%)



- Cyan (78%)
- Magenta (14%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37DC50 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 37DC50 by changing the saturation by 10% instead.



 37DC50

 37DC50

FFFFFF

 00BF34

 7EFF86

 00A314

 9EFAA2

 008800

 BDFFBE

 006D00

 DCFFDB

 005300

 FBFFF8


 003B00

 002200

 000000

 37DC50

 37DC50

 21DC3D

 4DDC63

 0BDC2B

 63DC75

 00DC21

 79DC88

 8FDC9B

 A5DCAD

 BBDCC0

 D1DCD3

 E7DCE5

 FDDCF8

# Harmonies

## Analogous

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



AFCD00



37DC50



00E3A4

# Triad

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



37DC50



00D1FF



FF6D8B

# Complementary

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



37DC50



DC37C3

# 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.



FF6BDC



37DC50



87B5FF

# Square

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



37DC50



00E0FF



FF8EFF



FF903F

# Rectangle

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



37DC50



00E5DD



FF8EFF



FF67A5

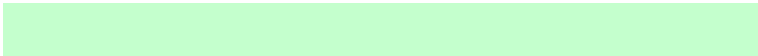


# Sweetspot

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



37DC50



C4FFCD



C3DC37



5C8061



000000



808080



# Same Dimension

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



37DC50



19FF3C



37DCA2



636E64



00AD1A



002E07



# Inverse Universe

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



DC37C3



FF19DC



DC3771



6E636C



AD0093

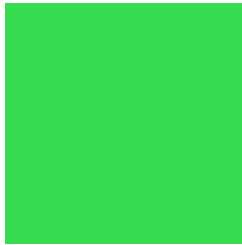


2E0027



# Previews

## White Background



This preview shows how the Hex color 37DC50 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 37DC50 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 37DC50 Background



This preview shows how black text looks on a background with the Hex color 37DC50.

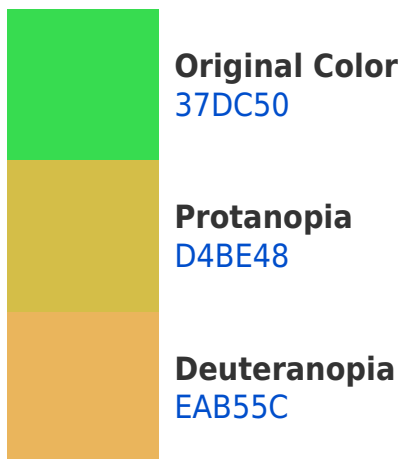


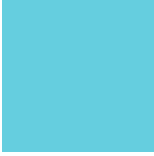
This preview shows how white text looks on a background with the Hex color 37DC50.

# 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**  
65CEDF

# Trichromacy



**Original Color**  
37DC50



**Protanomaly**  
9BC94B



**Deuteranomaly**  
A9C358



**Tritanomaly**  
54D3AB

# Monochromacy



**Original Color**  
37DC50



**Achromatopsia**  
9B9B9B



**Achromatomaly**  
77B380

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37DC50 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 #37DC50 looks like.

```
.text, #text, p{  
    color:#37DC50  
}
```

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 #37DC50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37DC50
}
```

## Border

The CSS property to change the border of an element to Hex 37DC50 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
#37DC50 }
```

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

```
.border{ border-color:#37DC50 }
```

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

Here you see how a box with a 4 pixel #37DC50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37DC50; -webkit-box-shadow:4px 4px  
4px 4px #37DC50; box-shadow:4px 4px 4px  
4px #37DC50 }
```

# Background

The CSS property to change the background color of an element to Hex 37DC50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37DC50 }
```

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

```
.background{ background-color:#37DC50 }
```

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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