

# Converting Colors

YUV(137.2880, 36.8330,  
-7.2686)

Have a look what the booklet for  
YUV(137.2880, 36.8330, -7.2686)  
contains.

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# Color

**YUV(137.2880, 36.8330,  
-7.2686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	817FD4
RGB	129, 127, 212
RGB Percent	51%, 50%, 83%
CMY	0.4941, 0.5020, 0.1686
CMYK	0.39, 0.40, 0.00, 0.17
HSL	241°, 50%, 66%
HSV	241°, 40%, 83%
XYZ	28.5263, 24.5993, 65.5320
YIQ	137.2880, -26.0930, 26.8590

# Conversions

## Conversions Part 2

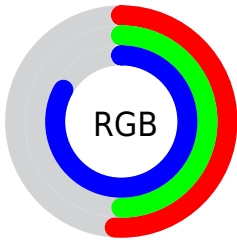
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 127, 212</a>
Decimal	<a href="#">8486868</a>
CIELab	<a href="#">56.68, 21.48, -43.54</a>
CIELCh	<a href="#">57, 48.553, 296.252</a>
Yxy	<a href="#">24.5993, 0.2404, 0.2073</a>
Android (android.graphics.Color)	<a href="#">4286676948</a> ( <a href="#">0xFF817FD4</a> )
YUV	<a href="#">137.2880, 36.8330, -7.2686</a>
Hunter-Lab	<a href="#">49.5977, 15.8689, -43.6197</a>

# Details

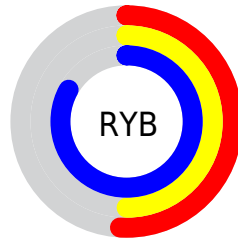
The YUV color  $137.2880, 36.8330, -7.2686$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $201.7120, -36.8330, 7.2686$ , and the grayscale version is  $137.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $190.0450, 32.0228, -4.4245$ , and  $86.1090, 34.9493, -9.7426$  is the 20% darker color. If you saturate the color by 10%, you get  $118.6820, 46.0058, -9.3681$ , and if you desaturate by 10%, it is  $155.8940, 27.6603, -5.1690$ .

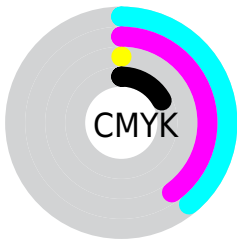
# Distribution



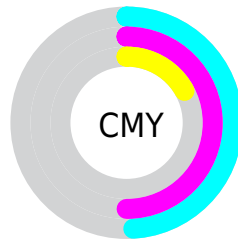
- Red (51%)
- Green (50%)
- Blue (83%)



- Red (51%)
- Yellow (50%)
- Blue (83%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)
- Black (17%)



- Cyan (49%)
- Magenta (50%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 137.2880, 36.8330, -7.2686 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 YUV color 137.2880, 36.8330, -7.2686 by changing the saturation by 10% instead.



■ 137.2880, 36.8330,  
-7.2686

■ 137.2880, 36.8330,  
-7.2686

■ 255.0000, 0.0000,  
0.0000

■ 111.3480, 35.8174,  
-8.1982

■ 190.0450, 32.0228,  
-4.4245

■ 86.1090, 34.9493,  
-9.7426

■ 214.2660, 20.0819,  
-1.1103

■ 61.1580, 33.9391,  
-12.4166

■ 239.6720, 7.5567,  
2.9187

■ 35.2170, 34.4030,  
-21.2383

■ 17.3380, 30.8924,  
-15.2054

■ 6.4980, 24.8975,  
-5.6987

■ 5.0500, 14.2723,

-4.4289

■ 0.9120, 3.4944,  
-0.7998

■ 0.0000, 0.0000,  
0.0000

■ 137.2880, 36.8330,  
-7.2686

■ 137.2880, 36.8330,  
-7.2686

■ 118.6820, 46.0058,  
-9.3681

■ 155.8940, 27.6603,  
-5.1690

■ 100.3750, 55.0311,  
-10.8529

■ 174.2010, 18.6349,  
-3.6843

■ 81.1820, 64.4933,  
-12.4376

■ 193.3940, 9.1728,  
-2.0995

■ 62.5760, 73.6660,  
-14.5372

■ 212.0000, 0.0000,  
0.0000

■ 43.9700, 82.8388,  
-16.6367

■ 230.6060, -9.1728,  
2.0995

■ 25.6630, 91.8641,  
-18.1215

■ 248.9130,  
-18.1981, 3.5843

■ 250.0980,  
-18.7823, 4.2991

# Harmonies

## Analogous

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



109.0320, 54.7072, -93.8671



137.2880, 36.8330, -7.2686



140.2630, 21.5623, 37.4803

# Triad

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



137.2880, 36.8330, -7.2686



134.2200, -33.6325, 54.1811



106.8650, 10.9126, -93.7206

# Complementary

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



137.2880, 36.8330, -7.2686



201.7120, -36.8330, 7.2686

# 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.



120.0610, -16.2991, -45.6575



137.2880, 36.8330, -7.2686



131.8780, -41.8449, 28.1710

# Square

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



137.2880, 36.8330, -7.2686



135.0750, -16.7990, 68.3402



128.2760, -35.6321, -4.6271



111.1800, 29.9843, -97.5049



# Rectangle

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



137.2880, 36.8330, -7.2686



138.1810, 9.2778, 57.7233



128.2760, -35.6321, -4.6271



104.5680, 4.6500, -91.7061

# Sweetspot

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



137.2880, 36.8330, -7.2686



227.8330, 13.3933, -2.4845



185.9980, 12.8190, -51.7412



112.0520, 7.8624, -1.7996



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



137.2880, 36.8330, -7.2686



147.5060, 52.9945, -10.9678



149.8460, 30.6419, 18.5521



97.5530, 4.6574, -0.4850



20.6900, 74.1028, -14.6371



5.2010, 18.6349, -3.6843



# Inverse Universe

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



161.8770, 23.7246, 43.9579



183.0440, 33.9953, 63.1054



189.1540, -30.6419, -18.5521



100.5430, 3.1833, 5.6628



70.1670, 47.7387, 88.4305

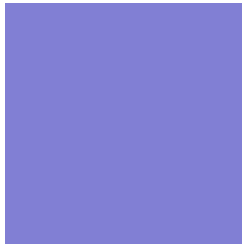


17.6450, 12.0070, 22.2363



# Previews

## White Background



This preview shows how the YUV color 137.2880, 36.8330, -7.2686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

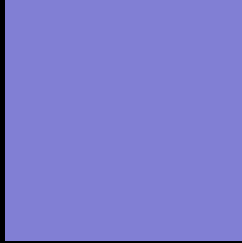
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 137.2880, 36.8330, -7.2686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

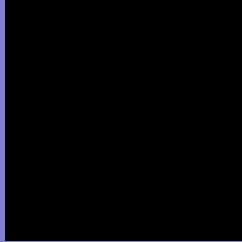
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 137.2880, 36.8330, -7.2686

## Background



This preview shows how black text looks on a background with the YUV color 137.2880, 36.8330, -7.2686.



This preview shows how white text looks on a background with the YUV color 137.2880, 36.8330, -7.2686.

-7.2686.

# 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

137.2880, 36.8330, -7.2686

### Protanopia

133.6060, 41.1132, -26.8415

### Deuteranopia

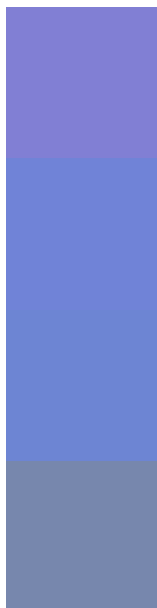
133.0740, 37.9245, -30.7599



## Tritanopia

133.4800, 8.6374, -17.0840

# Trichromacy



## Original Color

137.2880, 36.8330, -7.2686

## Protanomaly

134.8950, 39.4918, -20.0789

## Deuteranomaly

134.7160, 37.6080, -22.5529

## Tritanomaly

134.5480, 18.9568, -13.6356

# Monochromacy



## Original Color

137.2880, 36.8330, -7.2686

## Achromatopsia

137.0000, 0.0000, 0.0000

## Achromatomaly

136.8330, 13.3933, -2.4845

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 137.2880, 36.8330, -7.2686 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 `rgb(129, 127, 212)` looks like.

```
.text, #text, p{  
    color:rgb(129, 127, 212)  
}
```

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 rgb(129, 127, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 127, 212) }
```

## Border

The CSS property to change the border of an element to YUV 137.2880, 36.8330, -7.2686 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 rgb(129, 127, 212) }
```



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

```
.border{ border-color:rgb(129, 127, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 127, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 127, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 127, 212);  
box-shadow:4px 4px 4px 4px rgb(129, 127,  
212) }
```

# Background

The CSS property to change the background color of an element to YUV 137.2880, 36.8330, -7.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 127, 212) }
```

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

```
.background{ background-color: rgb(129,  
127, 212) }
```

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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