

# Converting Colors

YUV(37.2700, 10.7129, 17.3032)

Have a look what the booklet for  
YUV(37.2700, 10.7129, 17.3032)  
contains.

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# Color

**YUV(37.2700, 10.7129,  
17.3032)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	39173B
RGB	57, 23, 59
RGB Percent	22%, 9%, 23%
CMY	0.7765, 0.9098, 0.7686
CMYK	0.03, 0.61, 0.00, 0.77
HSL	297°, 44%, 16%
HSV	297°, 61%, 23%
XYZ	2.7832, 1.7984, 4.3381
YIQ	37.2700, 8.7080, 18.4040

# Conversions

## Conversions Part 2

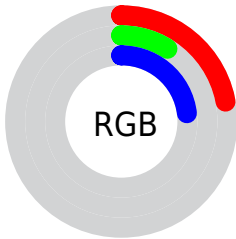
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 23, 59
Decimal	3741499
CIELab	14.39, 23.11, -15.91
CIELCh	14, 28.059, 325.460
Yxy	1.7984, 0.3120, 0.2016
Android (android.graphics.Color)	4281931579 (0xFF39173B)
YUV	37.2700, 10.7129, 17.3032
Hunter-Lab	13.4105, 13.5767, -9.7921

# Details

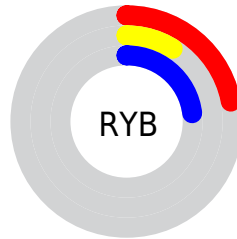
The YUV color **37.2700, 10.7129, 17.3032** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **44.7300, -10.7129, -17.3032**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.3950, 11.1443, 18.9476**, and **2.2970, 6.2626, -2.0145** is the 20% darker color. If you saturate the color by 10%, you get **33.7480, 12.4492, 20.3920**, and if you desaturate by 10%, it is **40.7920, 8.9765, 14.2144**.

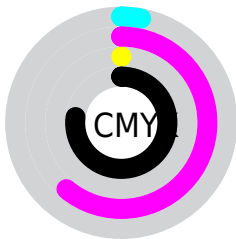
# Distribution



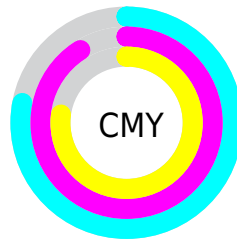
- Red (22%)
- Green (9%)
- Blue (23%)



- Red (22%)
- Yellow (9%)
- Blue (23%)



- Cyan (3%)
- Magenta (61%)
- Yellow (0%)
- Black (77%)



- Cyan (78%)
- Magenta (91%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.2700, 10.7129, 17.3032 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 37.2700, 10.7129, 17.3032 by changing the saturation by 10% instead.



■ 37.2700, 10.7129,  
17.3032

■ 37.2700, 10.7129,  
17.3032

■ 254.4130, 0.2894,  
0.5148

■ 14.6830, 11.0023,  
17.8180

■ 83.3950, 11.1443,  
18.9476

■ 2.2970, 6.2626,  
-2.0145

■ 108.2210, 11.7230,  
19.9772

■ 0.0000, 0.0000,  
0.0000

■ 133.6340, 12.0124,  
20.4920

■ 160.3460, 12.1544,  
21.6216

■ 186.8730, 12.8806,  
22.0364

■ 215.1720, 12.7332,

22.6512

237.3900, 8.6817,  
15.4440

37.2700, 10.7129,  
17.3032

37.2700, 10.7129,  
17.3032

33.7480, 12.4492,  
20.3920

40.7920, 8.9765,  
14.2144

29.9270, 14.3330,  
22.8660

44.6130, 7.0928,  
11.7404

26.4050, 16.0693,  
25.9548

48.1350, 5.3564,  
8.6516

23.4700, 17.5163,  
28.5288

51.6570, 3.6201,  
5.5628

55.4780, 1.7363,  
3.0888

■ 58.4130, 0.2894,  
0.5148

■ 61.9350, -1.4470,  
-2.5740

■ 65.7560, -3.3307,  
-5.0480

■ 69.2780, -5.0671,  
-8.1368

# Harmonies

## Analogous

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



35.6630, 17.9141, -5.8435



37.2700, 10.7129, 17.3032



34.5830, 2.6706, 30.1837

# Triad

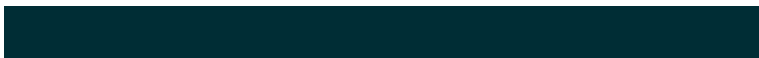
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.2700, 10.7129, 17.3032



34.6090, -17.0622, 12.6209



32.4570, 10.1277, -28.4648

# Complementary

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



37.2700, 10.7129, 17.3032



44.7300, -10.7129, -17.3032

# 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.



30.1770, 1.3917, -26.4652



37.2700, 10.7129, 17.3032



32.7490, -16.1453, -1.5339

# Square

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



37.2700, 10.7129, 17.3032



34.0990, -16.8108, 25.3462



27.3810, -8.0758, -23.1361



33.6940, 17.4059, -29.5496



# Rectangle

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



37.2700, 10.7129, 17.3032



33.6990, -3.3026, 32.7130



27.3810, -8.0758, -23.1361



31.6590, 7.0701, -27.7649

# Sweetspot

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



37.2700, 10.7129, 17.3032



68.4830, 4.1989, 6.5924



28.2780, 15.1459, -4.6288



33.3040, 2.3151, 4.1184



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



37.2700, 10.7129, 17.3032



42.9320, 16.7955, 26.3696



36.0440, 3.4293, 20.1324



28.9400, 1.0156, 0.9296



37.3270, 27.9398, 45.3172



88.0980, 66.0137, 106.9081



# Inverse Universe

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



33.9920, -4.4331, 21.9320



38.0860, -6.9444, 34.1276



45.9560, -3.4293, -20.1324



28.8970, -0.4422, 1.8443



28.6760, -11.6723, 57.2891

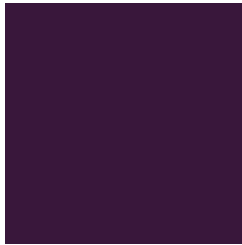


67.7460, -27.4828, 135.2808



# Previews

## White Background



This preview shows how the YUV color 37.2700, 10.7129, 17.3032 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

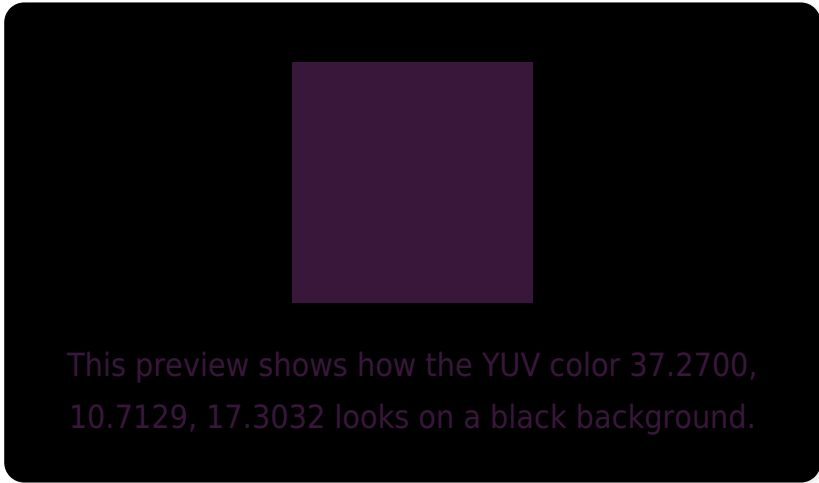
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

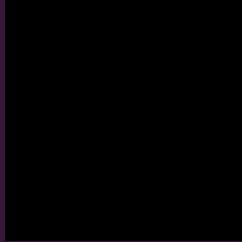
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 37.2700, 10.7129, 17.3032

## Background



This preview shows how black text looks on a background with the YUV color 37.2700, 10.7129, 17.3032.



This preview shows how white text looks on a background with the YUV color 37.2700, 10.7129,



# 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

37.2700, 10.7129, 17.3032

### Protanopia

34.6080, 17.9413, -14.5652

### Deuteranopia

36.5890, 10.0626, -7.5326



## Tritanopia

38.1050, -2.5168, 13.9399

# Trichromacy



## Original Color

37.2700, 10.7129, 17.3032

## Protanomaly

35.4030, 15.5773, -2.9844

## Deuteranomaly

37.0570, 10.3249, 1.7040

## Tritanomaly

37.6690, 2.1352, 15.1993

# Monochromacy



## Original Color

37.2700, 10.7129, 17.3032

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.0700, 3.9095, 6.0776

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.2700, 10.7129, 17.3032 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(57, 23, 59)` looks like.

```
.text, #text, p{  
    color:rgb(57, 23, 59)  
}
```

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(57, 23, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 23, 59) }
```

## Border

The CSS property to change the border of an element to YUV 37.2700, 10.7129, 17.3032 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(57, 23, 59) }
```



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

```
.border{ border-color:rgb(57, 23, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 23, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 23, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 23, 59);  
box-shadow:4px 4px 4px 4px rgb(57, 23, 59)  
}
```

# Background

The CSS property to change the background color of an element to YUV 37.2700, 10.7129, 17.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 23, 59) }
```

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

```
.background{ background-color: rgb(57, 23,  
59) }
```

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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