

# Converting Colors

YUV(33.3770, 18.5481, 24.2254)

Have a look what the booklet for  
YUV(33.3770, 18.5481, 24.2254)  
contains.

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# Color

**YUV(33.3770, 18.5481,  
24.2254)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D0C47
RGB	61, 12, 71
RGB Percent	24%, 5%, 28%
CMY	0.7608, 0.9529, 0.7216
CMYK	0.14, 0.83, 0.00, 0.72
HSL	290°, 71%, 16%
HSV	290°, 83%, 28%
XYZ	3.1933, 1.7100, 6.1230
YIQ	33.3770, 10.2650, 28.7370

# Conversions

## Conversions Part 2

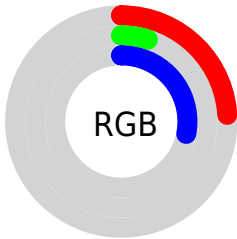
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 12, 71
Decimal	4000839
CIELab	13.89, 32.52, -25.10
CIELCh	14, 41.081, 322.342
Yxy	1.7100, 0.2896, 0.1551
Android (android.graphics.Color)	4282190919 (0xFF3D0C47)
YUV	33.3770, 18.5481, 24.2254
Hunter-Lab	13.0766, 20.7052, -18.6083




# Details

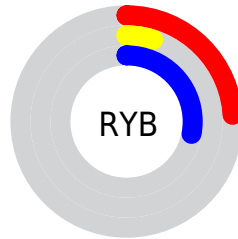
The YUV color **33.3770, 18.5481, 24.2254** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **49.6230, -18.5481, -24.2254**, and the grayscale version is **33.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **82.0890, 18.6901, 25.3549**, and **3.0780, 11.7935, -2.6994** is the 20% darker color. If you saturate the color by 10%, you get **28.9690, 20.7213, 27.2142**, and if you desaturate by 10%, it is **37.7850, 16.3750, 21.2366**.

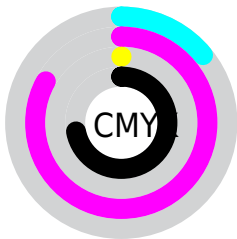
# Distribution







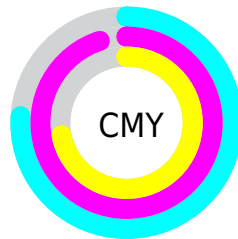
-  Red (24%)
-  Green (5%)
-  Blue (28%)






-  Red (24%)
-  Yellow (5%)
-  Blue (28%)



-  Cyan (14%)
-  Magenta (83%)
-  Yellow (0%)
-  Black (72%)




-  Cyan (76%)
-  Magenta (95%)
-  Yellow (72%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 33.3770, 18.5481, 24.2254 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 33.3770, 18.5481, 24.2254 by changing the saturation by 10% instead.





 33.3770, 18.5481,  
24.2254


 33.3770, 18.5481,  
24.2254


 249.7170, 2.6045,  
4.6332


 17.1330, 15.2174,  
19.1774


 82.0890, 18.6901,  
25.3549


 3.0780, 11.7935,  
-2.6994

 106.9150, 19.2689,  
26.3845

 0.0000, 0.0000,  
0.0000


 132.6270, 19.4109,  
27.5141


 159.1540, 20.1371,  
27.9289


 186.8660, 20.2791,  
29.0585


 214.4640, 19.9842,

30.2881


 232.6940, 10.9969,  
19.5624


 33.3770, 18.5481,  
24.2254


 33.3770, 18.5481,  
24.2254


 28.9690, 20.7213,  
27.2142


 37.7850, 16.3750,  
21.2366

 25.7350, 22.3156,  
29.1734

 42.1930, 14.2019,  
18.2477

 46.9000, 11.8813,  
15.8737

 51.3080, 9.7082,  
12.8849

 56.3030, 7.2456,  
9.3813

■ 60.7110, 5.0725,  
6.3925

■ 65.1190, 2.8993,  
3.4036

■ 69.8260, 0.5788,  
1.0296

■ 74.2340, -1.5944,  
-1.9592

# Harmonies

## Analogous

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



28.3430, 29.9039, -24.8568



33.3770, 18.5481, 24.2254



28.9360, 7.4266, 44.7831

# Triad

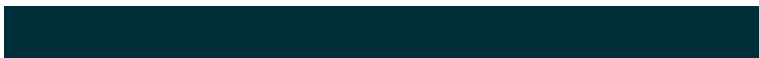
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.3770, 18.5481, 24.2254



34.0330, -16.7783, 14.8801



34.0870, 11.2961, -29.8943

# Complementary

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



33.3770, 18.5481, 24.2254



49.6230, -18.5481, -24.2254

# 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.



30.6670, -1.8078, -26.8950



33.3770, 18.5481, 24.2254



30.9550, -15.2608, -5.2225

# Square

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



33.3770, 18.5481, 24.2254



30.6210, -15.0962, 35.4124



25.8280, -12.7332, -22.6512



36.2360, 22.0687, -31.7790



# Rectangle

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



33.3770, 18.5481, 24.2254



27.6670, -1.3148, 48.5270



25.8280, -12.7332, -22.6512



32.9470, 6.9281, -28.8945

# Sweetspot

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



33.3770, 18.5481, 24.2254



77.3030, 7.2456, 9.3813



25.1830, 22.5878, -11.5615



37.1840, 4.3463, 5.9776



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



33.3770, 18.5481, 24.2254



33.2120, 28.9825, 37.5251



34.2010, 8.7749, 32.2727



33.3530, 1.3050, 1.4444



36.1030, 31.0082, 41.1287



82.0900, 71.4406, 92.8831



# Inverse Universe

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



30.7810, -4.3290, 35.2721



29.3320, -6.5727, 54.9598



48.7990, -8.7749, -32.2727



33.3100, -0.1528, 2.3591



31.5390, -7.1677, 59.1633

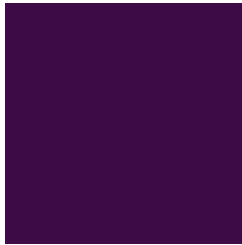


72.2050, -16.8631, 135.7552



# Previews

## White Background



This preview shows how the YUV color 33.3770, 18.5481, 24.2254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

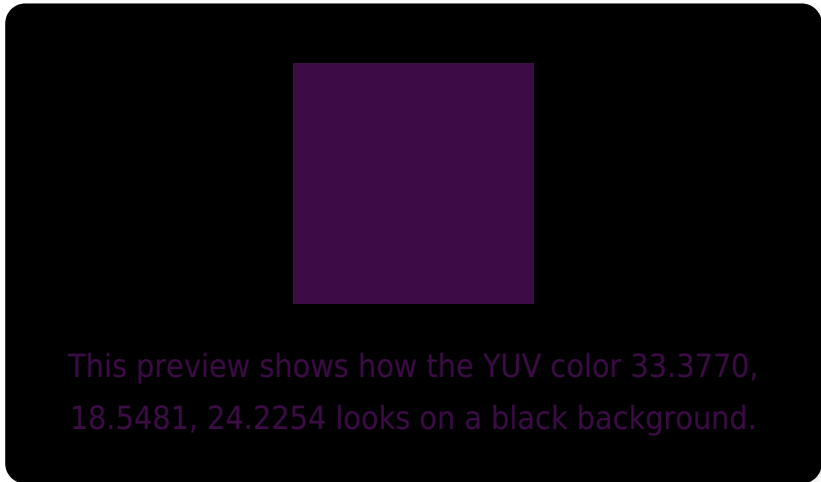
Any Text WCAG AA ✓ Pass

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

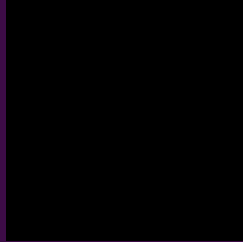
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 33.3770, 18.5481, 24.2254

## Background



This preview shows how black text looks on a background with the YUV color 33.3770, 18.5481, 24.2254.



This preview shows how white text looks on a background with the YUV color 33.3770, 18.5481,



# 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

33.3770, 18.5481, 24.2254

### Protanopia

29.7960, 22.7786, -26.1311

### Deuteranopia

32.3360, 17.0894, -21.3427



## Tritanopia

37.4150, -2.6696, 16.2990

# Trichromacy



## Original Color

33.3770, 18.5481, 24.2254

## Protanomaly

30.8630, 21.2665, -7.7729

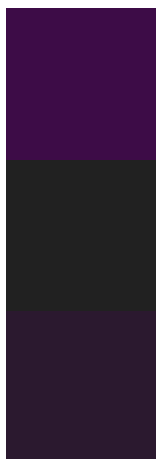
## Deuteranomaly

32.8480, 17.3299, -5.1287

## Tritanomaly

36.0870, 4.8871, 19.2177

# Monochromacy



## Original Color

33.3770, 18.5481, 24.2254

## Achromatopsia

33.0000, 0.0000, 0.0000

## Achromatomaly

32.8900, 6.9562, 8.8665

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 33.3770, 18.5481, 24.2254 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(61, 12, 71)` looks like.

```
.text, #text, p{  
    color:rgb(61, 12, 71)  
}
```

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(61, 12, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 12, 71) }
```

## Border

The CSS property to change the border of an element to YUV 33.3770, 18.5481, 24.2254 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(61, 12, 71) }
```



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

```
.border{ border-color:rgb(61, 12, 71) }
```

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

Here you see how a box with a 4 pixel rgb(61, 12, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 12, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 12, 71);  
box-shadow:4px 4px 4px 4px rgb(61, 12, 71)  
}
```

# Background

The CSS property to change the background color of an element to YUV 33.3770, 18.5481, 24.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 12, 71) }
```

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

```
.background{ background-color: rgb(61, 12,  
71) }
```

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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