

# Converting Colors

YUV(35.6370, 7.0810, -31.2536)

Have a look what the booklet for  
YUV(35.6370, 7.0810, -31.2536)  
contains.

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# Color

**YUV(35.6370, 7.0810,  
-31.2536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003332
RGB	0, 51, 50
RGB Percent	0%, 20%, 20%
CMY	1.0000, 0.8000, 0.8039
CMYK	1.00, 0.00, 0.02, 0.80
HSL	179°, 100%, 10%
HSV	179°, 100%, 20%
XYZ	1.7595, 2.5979, 3.4263
YIQ	35.6370, -30.0750, -11.1230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 26, 51
Decimal	13106
CIELab	18.36, -15.82, -3.91
CIELCh	18, 16.292, 193.878
Yxy	2.5979, 0.2261, 0.3338
Android (android.graphics.Color)	4278203186 (0xFF003332)
YUV	35.6370, 7.0810, -31.2536
Hunter-Lab	16.1181, -8.7206, -1.3209

# Details

The YUV color **35.6370, 7.0810, -31.2536** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15.3630, -7.0810, 31.2536**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.3170, 5.7597, -27.4650**, and **0.3420, 1.3104, -0.2999** is the 20% darker color. If you saturate the color by 10%, you get **35.6370, 7.0810, -31.2536**, and if you desaturate by 10%, it is **37.1320, 6.3439, -28.1798**.

# Distribution



- Red (0%)
- Green (20%)
- Blue (20%)



- Red (0%)
- Yellow (10%)
- Blue (20%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (80%)



- Cyan (100%)
- Magenta (80%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 35.6370, 7.0810, -31.2536 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 35.6370, 7.0810, -31.2536 by changing the saturation by 10% instead.



■ 35.6370, 7.0810,  
-31.2536

■ 35.6370, 7.0810,  
-31.2536

■ 250.5150, 2.2111,  
-9.2217

■ 20.9160, 3.9854,  
-18.3433

■ 84.3170, 5.7597,  
-27.4650

■ 0.3420, 1.3104,  
-0.2999

■ 109.3170, 5.7597,  
-27.4650

■ 0.0000, 0.0000,  
0.0000

■ 135.0180, 5.9071,  
-28.0798

■ 161.0180, 5.9071,  
-28.0798

■ 188.6050, 5.6177,  
-28.5946

■ 216.4200, 6.2019,

-29.3093

■ 241.8440, 6.4859,  
-27.0502

■ 35.6370, 7.0810,  
-31.2536

■ 37.1320, 6.3439,  
-28.1798

■ 38.6270, 5.6069,  
-25.1059

■ 40.1220, 4.8699,  
-22.0320

■ 41.6170, 4.1328,  
-18.9581

■ 43.4110, 3.2484,  
-15.2694

■ 45.0200, 2.9481,  
-12.2955

■ 46.5150, 2.2111,  
-9.2217

■ 48.0100, 1.4741,  
-6.1478

■ 49.5050, 0.7370,  
-3.0739

# Harmonies

## Analogous

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



39.6510, -0.8139, -18.9879



35.6370, 7.0810, -31.2536



36.3040, 12.1751, -31.8386

# Triad

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



35.6370, 7.0810, -31.2536



46.3950, 7.6933, 5.7926



44.5040, -11.0945, 11.8360

# Complementary

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



35.6370, 7.0810, -31.2536



15.3630, -7.0810, 31.2536

# 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.



45.0470, -7.9112, 17.4988



35.6370, 7.0810, -31.2536



46.1960, 2.8614, 15.6141

# Square

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



35.6370, 7.0810, -31.2536



44.3440, 11.6624, -7.3177



46.0240, -2.9698, 19.2730



43.4490, -11.0674, 3.1142



# Rectangle

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



35.6370, 7.0810, -31.2536



37.7820, 13.9115, -28.7498



46.0240, -2.9698, 19.2730



44.4550, -10.0843, 14.5100

# Sweetspot

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



35.6370, 7.0810, -31.2536



60.0200, 2.9481, -12.2955



30.5350, -15.0538, -25.0252



29.4120, 1.7689, -7.3773



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000



# Same Dimension

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



35.6370, 7.0810, -31.2536



46.1520, 9.2921, -40.4753



21.6630, 14.4631, -18.9985



24.9890, 0.0054, -1.7444



62.1610, 12.2456, -54.5152



151.5470, 29.8033, -132.9067



# Inverse Universe

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



15.3630, -7.0810, 31.2536



19.8480, -9.2921, 40.4753



29.3370, -14.4631, 18.9985



23.8970, -0.4422, 1.8443



26.8390, -12.2456, 54.5152



65.3390, -30.2401, 133.0067



# Previews

## White Background



This preview shows how the YUV color 35.6370, 7.0810, -31.2536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

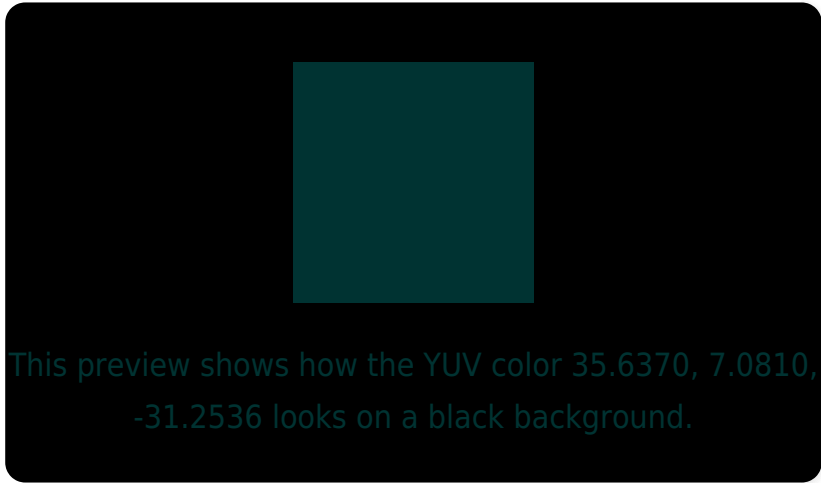
Any Text WCAG AA ✓ Pass

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

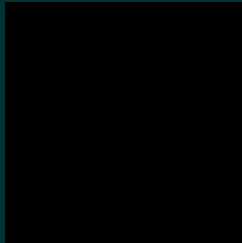
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 35.6370, 7.0810, -31.2536**

## **Background**



This preview shows how black text looks on a background with the YUV color 35.6370, 7.0810, -31.2536.



This preview shows how white text looks on a background with the YUV color 35.6370, 7.0810, -31.2536.



# 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

35.6370, 7.0810, -31.2536

### Protanopia

45.4130, 0.2894, 0.5148

### Deuteranopia

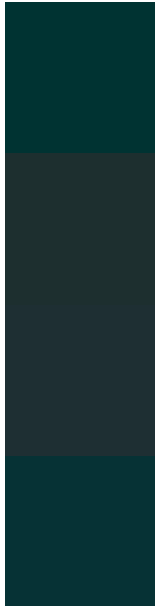
45.6950, 2.6154, 1.1445



## Tritanopia

38.4960, 7.6435, -24.9910

# Trichromacy



## Original Color

35.6370, 7.0810, -31.2536

## Protanomaly

41.6180, 2.6533, -11.0660

## Deuteranomaly

42.3730, 4.2531, -10.8511

## Tritanomaly

37.1860, 7.7963, -27.3501

# Monochromacy



## Original Color

35.6370, 7.0810, -31.2536

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

35.6180, 2.6533, -11.0660

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 35.6370, 7.0810, -31.2536 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(0, 51, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 51, 50)  
}
```

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(0, 51, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 51, 50) }
```

## Border

The CSS property to change the border of an element to YUV 35.6370, 7.0810, -31.2536 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(0, 51, 50) }
```



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

```
.border{ border-color:rgb(0, 51, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 51, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 51, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 51, 50); box-shadow:4px  
4px 4px 4px rgb(0, 51, 50) }
```

# Background

The CSS property to change the background color of an element to YUV 35.6370, 7.0810, -31.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 51, 50) }
```

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

```
.background{ background-color: rgb(0, 51,  
50) }
```

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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