

# Converting Colors

YUV(29.8730, -10.7834, 5.3734)

Have a look what the booklet for  
YUV(29.8730, -10.7834, 5.3734)  
contains.

<b>YUV(29.8730, -10.7834, 5.3734)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(29.8730, -10.7834,  
5.3734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	241F08
RGB	36, 31, 8
RGB Percent	14%, 12%, 3%
CMY	0.8588, 0.8784, 0.9686
CMYK	0.00, 0.14, 0.78, 0.86
HSL	49°, 64%, 9%
HSV	49°, 78%, 14%
XYZ	1.2614, 1.3726, 0.4282
YIQ	29.8730, 10.3630, -6.0930

# Conversions

## Conversions Part 2

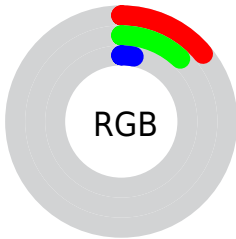
Format	Color
<a href="#">RYB</a>	<a href="#">14, 36, 8</a>
Decimal	<a href="#">2367240</a>
CIELab	<a href="#">11.77, -1.34, 14.18</a>
CIELCh	<a href="#">12, 14.238, 95.388</a>
Yxy	<a href="#">1.3726, 0.4119, 0.4482</a>
Android (android.graphics.Color)	<a href="#">4280557320 (0xFF241F08)</a>
YUV	<a href="#">29.8730, -10.7834, 5.3734</a>
Hunter-Lab	<a href="#">11.7157, -1.2842, 6.0341</a>

# Details

The YUV color **29.8730, -10.7834, 5.3734** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14.1270, 10.7834, -5.3734**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **74.2860, -10.4940, 5.8882**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **28.8300, -12.2412, 6.2881**, and if you desaturate by 10%, it is **30.9160, -9.3256, 4.4587**.

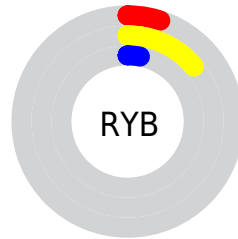
# Distribution



Red (14%)

Green (12%)

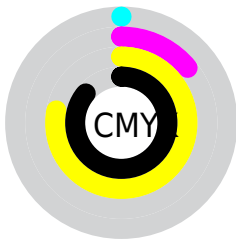
Blue (3%)



Red (5%)

Yellow (14%)

Blue (3%)

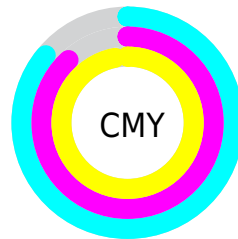


Cyan (0%)

Magenta (14%)

Yellow (78%)

Black (86%)



Cyan (86%)

Magenta (88%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 29.8730, -10.7834, 5.3734 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 29.8730, -10.7834, 5.3734 by changing the saturation by 10% instead.



■ 29.8730, -10.7834,  
5.3734

■ 29.8730, -10.7834,  
5.3734

■ 252.4920, -9.6096,  
2.1995

■ 5.9030, -2.9102,  
0.0851

■ 74.2860, -10.4940,  
5.8882

■ 0.0000, 0.0000,  
0.0000

■ 97.4710, -11.0782,  
6.6029


■ 122.6560,  
-11.6624, 7.3177


■ 148.5420,  
-12.0992, 7.4177


■ 175.4280,  
-12.5360, 7.5176


■ 202.7270,


-12.6834, 8.1324


 230.6130,  
-13.1202, 8.2324


 29.8730, -10.7834,  
5.3734


 29.8730, -10.7834,  
5.3734


 28.8300, -12.2412,  
6.2881


 30.9160, -9.3256,  
4.4587


 28.4880, -13.5516,  
6.5880

 31.2580, -8.0152,  
4.1587

 28.3740, -13.9884,  
6.6880

 32.3010, -6.5574,  
3.2440

 33.2300, -5.5364,  
2.4293

 33.6860, -3.7892,  
2.0294

■ 34.7290, -2.3314,  
1.1147

■ 35.0710, -1.0210,  
0.8147

■ 36.1140, 0.4368,  
-0.1000

■ 37.0430, 1.4578,  
-0.9147

# Harmonies

## Analogous

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



30.8460, -9.7841, 11.5361



29.8730, -10.7834, 5.3734



29.0290, -7.4093, -3.5334

# Triad

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



29.8730, -10.7834, 5.3734



25.9200, 7.9274, -22.7318



32.5760, 3.1670, 10.8958

# Complementary

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



29.8730, -10.7834, 5.3734



14.1270, 10.7834, -5.3734

# 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.



31.9600, 7.4147, 1.7891



29.8730, -10.7834, 5.3734



25.5440, 11.5638, -22.4021

# Square

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



29.8730, -10.7834, 5.3734



24.8940, 3.9963, -21.8320



29.5780, 10.0680, -9.2769



31.5720, -0.7750, 15.2844



# Rectangle

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



29.8730, -10.7834, 5.3734



27.9080, -3.8986, -9.5663



29.5780, 10.0680, -9.2769



32.0210, 4.9196, 8.7516

# Sweetspot

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



29.8730, -10.7834, 5.3734



43.5720, -4.2260, 2.1294



16.9420, -1.9434, 16.7139



21.7290, -2.3314, 1.1147



150.0000, 0.0000, 0.0000



23.0000, 0.0000, 0.0000



# Same Dimension

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



29.8730, -10.7834, 5.3734



36.4020, -16.4672, 8.4174



30.1170, -10.9037, -2.7336



17.7720, -0.8736, 0.2000



63.8470, -31.4766, 15.9202



163.4550, -80.5833, 39.9430



# Inverse Universe

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



14.1270, 10.7834, -5.3734



12.5980, 16.4672, -8.4174



13.8830, 10.9037, 2.7336



16.2280, 0.8736, -0.2000



18.1530, 31.4766, -15.9202



45.5450, 80.5833, -39.9430



# Previews

## White Background



This preview shows how the YUV color 29.8730, -10.7834, 5.3734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

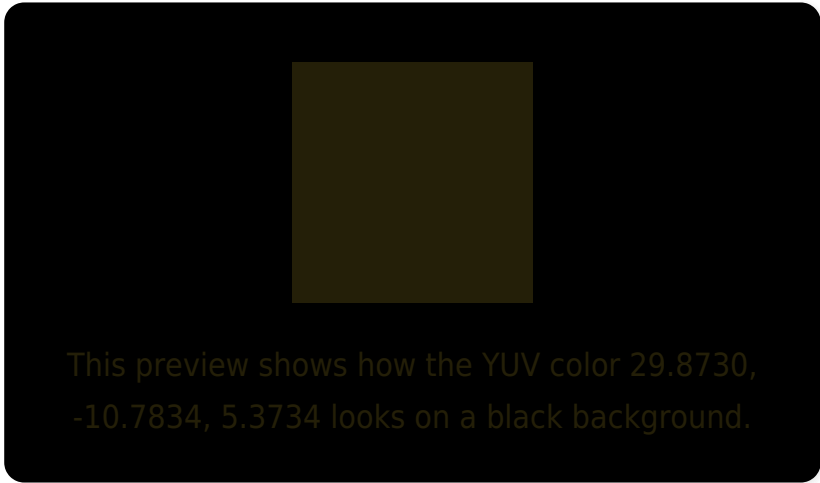
Any Text WCAG AA ✓ Pass

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

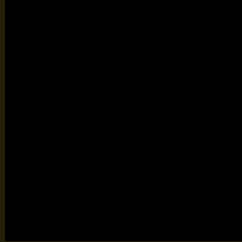
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 29.8730, -10.7834, 5.3734

## Background



This preview shows how black text looks on a background with the YUV color 29.8730, -10.7834, 5.3734.



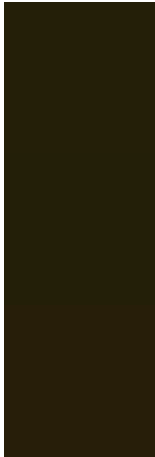
This preview shows how white text looks on a background with the YUV color 29.8730, -10.7834,



# 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

29.8730, -10.7834, 5.3734

### Protanopia

29.5740, -10.6360, 4.7586

### Deuteranopia

30.2970, -10.4994, 7.6325



## Tritanopia

31.9190, -0.4531, 5.3330

# Trichromacy



## Original Color

29.8730, -10.7834, 5.3734

## Protanomaly

29.5740, -10.6360, 4.7586

## Deuteranomaly

29.9980, -10.3520, 7.0178

## Tritanomaly

31.2950, -4.0894, 5.0033

# Monochromacy



## Original Color

29.8730, -10.7834, 5.3734

## Achromatopsia

30.0000, 0.0000, 0.0000

## Achromatomaly

29.6860, -3.7892, 2.0294

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 29.8730, -10.7834, 5.3734 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(36, 31, 8)` looks like.

```
.text, #text, p{  
    color:rgb(36, 31, 8)  
}
```

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(36, 31, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 31, 8) }
```

## Border

The CSS property to change the border of an element to YUV 29.8730, -10.7834, 5.3734 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(36, 31, 8) }
```



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

```
.border{ border-color:rgb(36, 31, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 31, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 31, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 31, 8); box-shadow:4px  
4px 4px 4px rgb(36, 31, 8) }
```

# Background

The CSS property to change the background color of an element to YUV 29.8730, -10.7834, 5.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 31, 8) }
```

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

```
.background{ background-color: rgb(36, 31,  
8) }
```

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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