

# Converting Colors

YUV(21.8730, -10.7834, 5.3734)

Have a look what the booklet for  
YUV(21.8730, -10.7834, 5.3734)  
contains.

<b>YUV(21.8730, -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> .....	30

# Color

**YUV(21.8730, -10.7834,  
5.3734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1C1700
RGB	28, 23, 0
RGB Percent	11%, 9%, 0%
CMY	0.8902, 0.9098, 1.0000
CMYK	0.00, 0.18, 1.00, 0.89
HSL	49°, 100%, 5%
HSV	49°, 100%, 11%
XYZ	0.7853, 0.8597, 0.1245
YIQ	21.8730, 10.3630, -6.0930

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	6, 28, 0
Decimal	1840896
CIE <sub>Lab</sub>	7.77, -1.30, 11.61
CIE <sub>LCh</sub>	8, 11.680, 96.404
Yxy	0.8597, 0.4438, 0.4858
Android (android.graphics.Color)	4280030976 (0xFF1C1700)
YUV	21.8730, -10.7834, 5.3734
Hunter-Lab	9.2718, -1.1075, 5.6939

# Details

The YUV color **21.8730, -10.7834, 5.3734** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **6.1270, 10.7834, -5.3734**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **65.1440, -8.4520, 4.2587**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.8730, -10.7834, 5.3734**, and if you desaturate by 10%, it is **22.2150, -9.4730, 5.0734**.

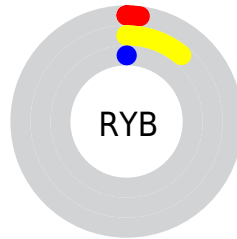
# Distribution



Red (11%)

Green (9%)

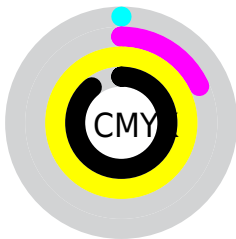
Blue (0%)



Red (2%)

Yellow (11%)

Blue (0%)

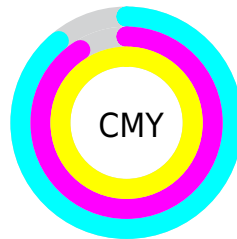


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (89%)



Cyan (89%)

Magenta (91%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 21.8730, -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 21.8730, -10.7834, 5.3734 by changing the saturation by 10% instead.



■ 21.8730, -10.7834,  
5.3734

■ 21.8730, -10.7834,  
5.3734

■ 248.1720,  
-10.9308, 5.9882

■ 0.0000, 0.0000,  
0.0000

■ 65.1440, -8.4520,  
4.2587

■ 88.3290, -9.0362,  
4.9735


■ 112.6280, -9.1836,  
5.5882


■ 138.5140, -9.6204,  
5.6882


■ 164.4000,  
-10.0572, 5.7882


■ 191.6990,


-10.2046, 6.4030


 219.5850,  
-10.6414, 6.5030


 21.8730, -10.7834,  
5.3734

 22.2150, -9.4730,  
5.0734

 23.1440, -8.4520,  
4.2587

 23.3720, -7.5784,  
4.0588

 24.3010, -6.5574,  
3.2440

 24.6430, -5.2470,  
2.9441

■ 25.5720, -4.2260,  
2.1294

■ 25.9140, -2.9156,  
1.8294

■ 26.7290, -2.3314,  
1.1147

■ 27.0710, -1.0210,  
0.8147

# Harmonies

## Analogous

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



22.1340, -9.9261, 10.4065



21.8730, -10.7834, 5.3734



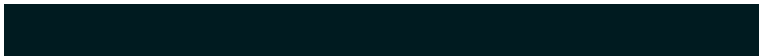
20.9260, -7.8515, -1.6891

# Triad

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



21.8730, -10.7834, 5.3734



19.4970, 6.1640, -17.0989



24.0380, 2.4463, 8.7367

# Complementary

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



21.8730, -10.7834, 5.3734



6.1270, 10.7834, -5.3734

# Split Complementary

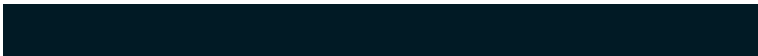
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.5040, 5.6675, 2.1890



21.8730, -10.7834, 5.3734



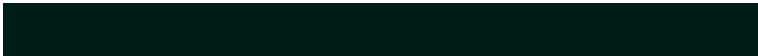
19.7790, 8.4900, -16.4692

# Square

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



21.8730, -10.7834, 5.3734



19.1720, 2.3802, -16.8138



22.0190, 7.8786, -7.0327



23.8490, -0.9116, 12.4104



# Rectangle

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



21.8730, -10.7834, 5.3734



20.2070, -4.0461, -8.9515



22.0190, 7.8786, -7.0327



24.3690, 3.7621, 6.6924

# Sweetspot

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



21.8730, -10.7834, 5.3734



33.5720, -4.2260, 2.1294



8.9420, -1.9434, 16.7139



16.6150, -2.7682, 1.2146



145.0000, 0.0000, 0.0000



18.0000, 0.0000, 0.0000



# Same Dimension

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



21.8730, -10.7834, 5.3734



27.7870, -13.6990, 7.2028



22.1170, -10.9037, -2.7336



12.7720, -0.8736, 0.2000



60.0040, -29.5820, 14.9055



159.6120, -78.6887, 38.9283



# Inverse Universe

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



6.1270, 10.7834, -5.3734



7.6260, 13.9884, -6.6880



5.8830, 10.9037, 2.7336



11.8150, 0.5842, -0.7148



16.9960, 29.5820, -14.9055

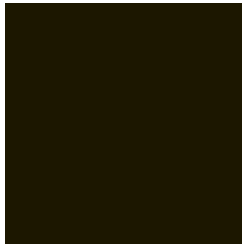


44.3880, 78.6887, -38.9283



# Previews

## White Background



This preview shows how the YUV color 21.8730, -10.7834, 5.3734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

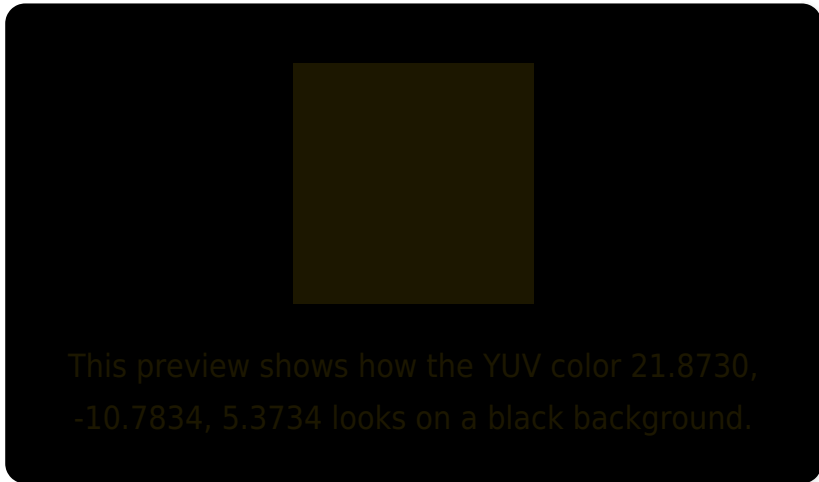
Any Text WCAG AA ✓ Pass

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

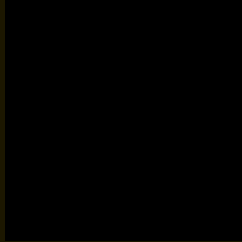
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 21.8730, -10.7834, 5.3734

## Background



This preview shows how black text looks on a background with the YUV color 21.8730, -10.7834, 5.3734.



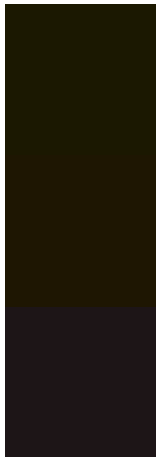
This preview shows how white text looks on a background with the YUV color 21.8730, -10.7834,



# 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



### Protanopia

22.2750, -10.4886, 4.1438

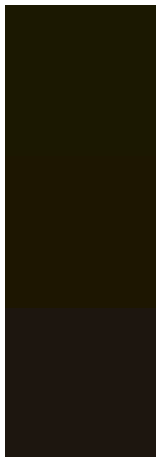
### Deuteranopia

22.1120, -9.9152, 6.9178

### Tritanopia

23.6200, -0.3057, 4.7183

# Trichromacy



## Protanomaly

22.2750, -10.4886, 4.1438

## Deuteranomaly

21.6990, -10.2046, 6.4030

## Tritanomaly

23.2950, -4.0894, 5.0033

# Monochromacy



## Achromatopsia

22.0000, 0.0000, 0.0000

## Achromatomaly

21.6860, -3.7892, 2.0294

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 21.8730, -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(28, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 23, 0)  
}
```

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(28, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 23, 0) }
```

## Border

The CSS property to change the border of an element to YUV 21.8730, -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(28, 23, 0) }
```

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

```
.border{ border-color:rgb(28, 23, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 23, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 23, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(28, 23, 0); box-shadow:4px  
4px 4px 4px rgb(28, 23, 0) }
```



# Background

The CSS property to change the background color of an element to YUV 21.8730, -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(28, 23, 0) }
```

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

```
.background{ background-color: rgb(28, 23,  
0) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor