

# Converting Colors

YUV(70.7630, -24.0402,  
10.7318)

Have a look what the booklet for  
YUV(70.7630, -24.0402, 10.7318)  
contains.

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# Color

**YUV(70.7630, -24.0402,  
10.7318)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 534A16                     |
| RGB           | 83, 74, 22                 |
| RGB Percent   | 33%, 29%, 9%               |
| CMY           | 0.6745, 0.7098, 0.9137     |
| CMYK          | 0.00, 0.11, 0.73, 0.67     |
| HSL           | 51°, 58%, 21%              |
| HSV           | 51°, 73%, 33%              |
| XYZ           | 6.1609, 6.7945, 1.7458     |
| YIQ           | 70.7630, 22.0560, -14.2640 |

# Conversions

## Conversions Part 2

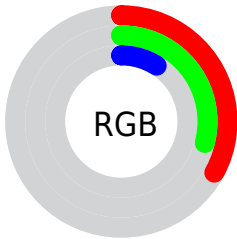
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 33, 83, 22                    |
| Decimal                             | 5458454                       |
| CIE Lab                             | 31.33, -3.18, 31.18           |
| CIE LCh                             | 31, 31.340, 95.820            |
| Yxy                                 | 6.7945, 0.4191,<br>0.4622     |
| Android<br>(android.graphics.Color) | 4283648534<br>(0xFF534A16)    |
| YUV                                 | 70.7630, -24.0402,<br>10.7318 |
| Hunter-Lab                          | 26.0662, -3.4266,<br>14.2754  |

# Details

The YUV color **70.7630, -24.0402, 10.7318** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **34.2370, 24.0402, -10.7318**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **119.7310, -25.5034, 13.3909**, and **28.6620, -14.1304, 5.5584** is the 20% darker color. If you saturate the color by 10%, you get **69.2640, -27.2452, 12.0465**, and if you desaturate by 10%, it is **72.2620, -20.8352, 9.4172**.

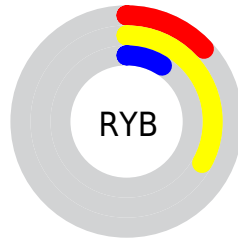
# Distribution



Red (33%)

Green (29%)

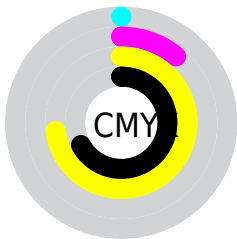
Blue (9%)



Red (13%)

Yellow (33%)

Blue (9%)

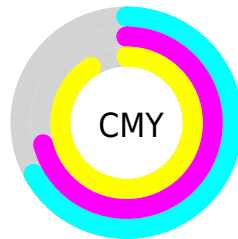


Cyan (0%)

Magenta (11%)

Yellow (73%)

Black (67%)



Cyan (67%)

Magenta (71%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.7630, -24.0402, 10.7318 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 70.7630, -24.0402, 10.7318 by changing the saturation by 10% instead.



70.7630, -24.0402,  
10.7318

70.7630, -24.0402,  
10.7318

255.0000, 0.0000,  
0.0000

48.1650, -23.7453,  
9.5023

119.7310,  
-25.5034, 13.3909

28.6620, -14.1304,  
5.5584

145.8020,  
-26.5244, 14.2056

4.1090, -2.0257,  
-3.6036

172.6880,  
-26.9612, 14.3056

0.0000, 0.0000,  
0.0000

199.8730,  
-27.5454, 15.0204

227.9440,  
-28.5664, 15.8351

248.5020,

-24.8975, 5.6987

251.6940,  
-12.6671, 2.8994

70.7630, -24.0402,  
10.7318

70.7630, -24.0402,  
10.7318

69.2640, -27.2452,  
12.0465

72.2620, -20.8352,  
9.4172

67.6510, -30.8869,  
13.4611

73.8750, -17.1934,  
8.0026

66.4940, -32.7815,  
14.4758

75.9610, -14.2778,  
6.1732

77.4600, -11.0728,  
4.8586

78.9590, -7.8678,  
3.5440

■ 80.5720, -4.2260,  
2.1294

■ 82.6580, -1.3104,  
0.2999

■ 84.1570, 1.8946,  
-1.0147

■ 85.7700, 5.5364,  
-2.4293

# Harmonies

## Analogous

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



72.1440, -21.7630, 27.0607



70.7630, -24.0402, 10.7318



68.2380, -17.8653, -9.8557

# Triad

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



70.7630, -24.0402, 10.7318



61.5230, 19.9552, -53.9557



75.8800, 8.9332, 28.1692

# Complementary

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



70.7630, -24.0402, 10.7318



34.2370, 24.0402, -10.7318

# 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.



75.3700, 19.0446, 4.9375



70.7630, -24.0402, 10.7318



61.5860, 27.8121, -54.0109

# Square

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



70.7630, -24.0402, 10.7318



59.3740, 9.1826, -52.0710



68.6970, 26.2784, -28.6753



74.0850, -2.0139, 39.3905



# Rectangle

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



70.7630, -24.0402, 10.7318



64.3160, -9.5228, -25.7101



68.6970, 26.2784, -28.6753



76.4600, 12.5912, 21.5216

# Sweetspot

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



70.7630, -24.0402, 10.7318



102.6170, -9.1782, 3.8439



41.2650, -5.0606, 36.6016



50.6430, -5.2470, 2.9441



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



70.7630, -24.0402, 10.7318



88.0660, -37.0075, 16.6051



69.7670, -23.5491, -6.8117



39.9570, -1.4578, 0.9147



83.6380, -41.2335, 18.7345



185.5940, -91.4978, 40.6981



# Inverse Universe

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



34.2370, 24.0402, -10.7318



31.9340, 37.0075, -16.6051



35.2330, 23.5491, 6.8117



37.4560, 1.7472, -0.3999



20.7750, 41.5229, -18.2197

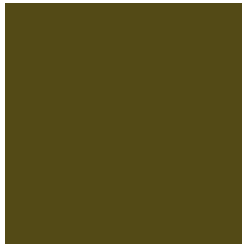


46.4060, 91.4978, -40.6981



# Previews

## White Background



This preview shows how the YUV color 70.7630, -24.0402, 10.7318 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



This preview shows how the YUV color 70.7630, -24.0402, 10.7318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

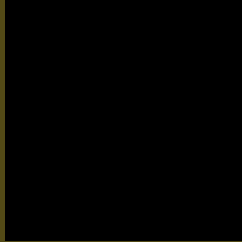
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.7630, -24.0402, 10.7318

## Background



This preview shows how black text looks on a background with the YUV color 70.7630, -24.0402, 10.7318.



This preview shows how white text looks on a background with the YUV color 70.7630, -24.0402,



# 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

70.7630, -24.0402, 10.7318

### Protanopia

70.7630, -24.0402, 10.7318

### Deuteranopia

71.5190, -23.9199, 18.8388



## Tritanopia

74.9520, -0.4693, 10.5661

# Trichromacy



## Original Color

70.7630, -24.0402, 10.7318

## Protanomaly

70.7630, -24.0402, 10.7318

## Deuteranomaly

70.9100, -23.6196, 15.8649

## Tritanomaly

73.6610, -9.1999, 10.8213

# Monochromacy



## Original Color

70.7630, -24.0402, 10.7318

## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

70.7310, -8.7414, 3.7439

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.7630, -24.0402, 10.7318 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(83, 74, 22)` looks like.

```
.text, #text, p{  
    color:rgb(83, 74, 22)  
}
```

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(83, 74, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 74, 22) }
```

## Border

The CSS property to change the border of an element to YUV 70.7630, -24.0402, 10.7318 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(83, 74, 22) }
```



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

```
.border{ border-color:rgb(83, 74, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 74, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 74, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 74, 22);  
box-shadow:4px 4px 4px 4px rgb(83, 74, 22)  
}
```

# Background

The CSS property to change the background color of an element to YUV 70.7630, -24.0402, 10.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 74, 22) }
```

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

```
.background{ background-color: rgb(83, 74,  
22) }
```

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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