

# Converting Colors

YUV(219.4730, -108.2002,  
31.1572)

Have a look what the booklet for  
YUV(219.4730, -108.2002, 31.1572)  
contains.

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# Color

**YUV(219.4730, -108.2002,  
31.1572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF400
RGB	255, 244, 0
RGB Percent	100%, 96%, 0%
CMY	0.0000, 0.0431, 1.0000
CMYK	0.00, 0.04, 1.00, 0.00
HSL	57°, 100%, 50%
HSV	57°, 100%, 100%
XYZ	73.5907, 85.9614, 12.7136
YIQ	219.4730, 84.8800, -73.5520

# Conversions

## Conversions Part 2

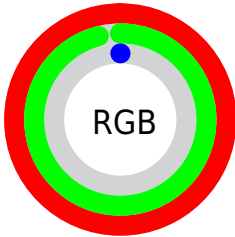
Format	Color
R <sub>Y</sub> B	11, 255, 0
Decimal	16774144
CIE Lab	94.30, -16.29, 92.41
CIE LCh	94, 93.836, 99.996
Yxy	85.9614, 0.4272, 0.4990
Android (android.graphics.Color)	4294964224 (0xFFFFFFFF400)
YUV	219.4730, -108.2002, 31.1572
Hunter-Lab	92.7154, -20.5716, 56.7706

# Details

The YUV color **219.4730, -108.2002, 31.1572** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **35.5270, 108.2002, -31.1572**, and the grayscale version is **220.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.6460, -70.3245, 16.0965**, and **168.0630, -82.8551, 21.8697** is the 20% darker color. If you saturate the color by 10%, you get **219.4730, -108.2002, 31.1572**, and if you desaturate by 10%, it is **222.9100, -97.5696, 28.1429**.

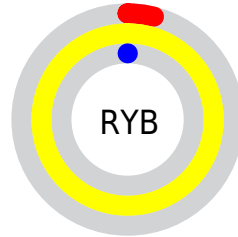
# Distribution



Red (100%)

Green (96%)

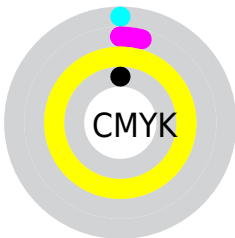
Blue (0%)



Red (4%)

Yellow (100%)

Blue (0%)

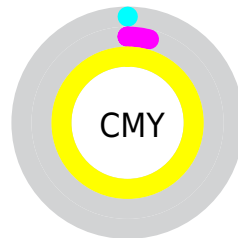


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 219.4730, -108.2002, 31.1572 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 219.4730, -108.2002, 31.1572 by changing the saturation by 10% instead.



219.4730,  
-108.2002, 31.1572

219.4730,  
-108.2002, 31.1572

255.0000, 0.0000,  
0.0000

193.7680,  
-95.5276, 26.5135

236.6460,  
-70.3245, 16.0965

168.0630,  
-82.8551, 21.8697

240.1800,  
-56.7837, 12.9971

143.2440,  
-70.6193, 17.3260

243.6000,  
-43.6798, 9.9978

119.3110,  
-58.8203, 12.8823

247.0200,  
-30.5759, 6.9985

95.9650, -47.3107,  
7.9237

250.4400,  
-17.4719, 3.9991

73.5050, -36.2380,  
3.0651

253.9740, -3.9312,

51.9310, -25.6020,

0.8998

-1.6935

■ 31.2430, -15.4028,  
-6.3521

■ 13.5010, -6.6560,  
-11.8404

■ 219.4730,  
-108.2002, 31.1572

■ 222.9100,  
-97.5696, 28.1429

■ 226.4610,  
-86.5023, 25.0287

■ 230.0120,  
-75.4349, 21.9145

■ 233.4490,  
-64.8044, 18.9002

■ 237.5870,  
-54.0264, 15.2712

■ 241.0240,  
-43.3958, 12.2570

■ 244.5750,  
-32.3285, 9.1427

■ 248.0120,  
-21.6979, 6.1285

■ 251.5630,  
-10.6306, 3.0142

# Harmonies

## Analogous

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



206.5030, -76.6630, 42.5319



219.4730, -108.2002, 31.1572



205.8340, -59.0782, -44.5814

# Triad

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



219.4730, -108.2002, 31.1572



178.7550, 37.5888, -156.7681



199.8220, 27.2028, 48.3911

# Complementary

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



219.4730, -108.2002, 31.1572



35.5270, 108.2002, -31.1572

# 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.



223.3020, 15.6271, 27.7991



219.4730, -108.2002, 31.1572



178.7550, 37.5888, -156.7681

# Square

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



219.4730, -108.2002, 31.1572



178.7550, 37.5888, -156.7681



192.6850, 30.7213, -100.5787



186.7020, 12.4719, 59.8973



# Rectangle

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



219.4730, -108.2002, 31.1572



165.9870, -11.3326, -145.5706



192.6850, 30.7213, -100.5787



206.8660, 23.7301, 42.2135

# Sweetspot

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



219.4730, -108.2002, 31.1572



244.5750, -32.3285, 9.1427



77.7270, -31.9104, 155.4684



121.5820, -19.5139, 5.6286



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



219.4730, -108.2002, 31.1572



191.5450, -94.4317, -45.2050



125.9310, -5.3890, 1.8145



164.5300, -81.1133, 23.2142



54.9430, -27.0869, 7.9430

# Inverse Universe

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



35.5270, 108.2002, -31.1572



63.4550, 94.4317, 45.2050



116.4820, 5.6784, -1.2997



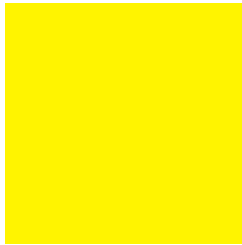
26.4700, 81.1133, -23.2142



9.0570, 27.0869, -7.9430

# Previews

## White Background



This preview shows how the YUV color 219.4730, -108.2002, 31.1572 looks on a white background.

## Color Contrast Check

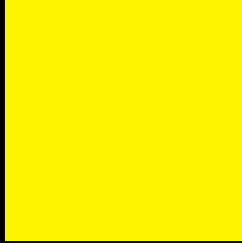
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the YUV color 219.4730, -108.2002, 31.1572 looks on a black 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

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

# YUV 219.4730, -108.2002, 31.1572 Background



This preview shows how black text looks on a background with the YUV color 219.4730, -108.2002, 31.1572.



This preview shows how white text looks on a background with the YUV color 219.4730, -108.2002,

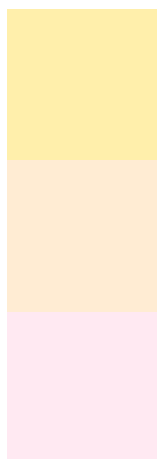




# Color Blindness Simulation

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

236.0320, -32.0608, 16.6349

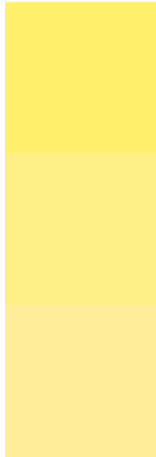
### Deuteranopia

238.8310, -13.7207, 14.1802

### Tritanopia

240.6040, 0.6882, 12.6253

# Trichromacy



## Protanomaly

230.1380, -59.7210, 21.8040

## Deuteranomaly

231.8140, -48.2223, 20.3341

## Tritanomaly

232.9200, -38.9076, 19.3642

# Monochromacy



## Achromatopsia

219.0000, 0.0000, 0.0000

## Achromatomaly

219.0500, -39.4646, 11.3572

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 219.4730, -108.2002, 31.1572 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(255, 244, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 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(255, 244, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 0) }
```

## Border

The CSS property to change the border of an element to YUV 219.4730, -108.2002, 31.1572 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(255, 244, 0) }
```

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

```
.border{ border-color:rgb(255, 244, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
0) }
```

# Background

The CSS property to change the background color of an element to YUV 219.4730, -108.2002, 31.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 0) }
```

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

```
.background{ background-color: rgb(255,  
244, 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](#).

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