

# Converting Colors

YUV(76.8830, -22.6203,  
22.0276)

Have a look what the booklet for  
YUV(76.8830, -22.6203, 22.0276)  
contains.

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# Color

**YUV(76.8830, -22.6203,  
22.0276)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66491F
RGB	102, 73, 31
RGB Percent	40%, 29%, 12%
CMY	0.6000, 0.7137, 0.8784
CMYK	0.00, 0.28, 0.70, 0.60
HSL	35°, 53%, 26%
HSV	35°, 70%, 40%
XYZ	8.1094, 7.6888, 2.3530
YIQ	76.8830, 30.7660, -6.9140

# Conversions

## Conversions Part 2

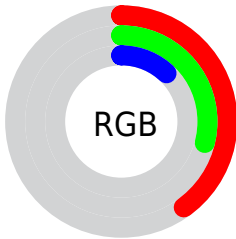
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 102, 31
Decimal	6703391
CIE <sub>Lab</sub>	33.33, 7.50, 29.34
CIE <sub>LCh</sub>	33, 30.282, 75.653
Yxy	7.6888, 0.4468, 0.4236
Android (android.graphics.Color)	4284893471 (0xFF66491F)
YUV	76.8830, -22.6203, 22.0276
Hunter-Lab	27.7287, 3.6778, 14.3788

# Details

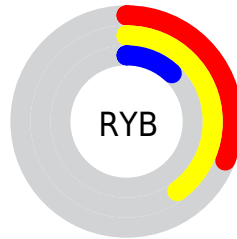
The YUV color **76.8830, -22.6203, 22.0276** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **56.1170, 22.6203, -22.0276**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.4490, -24.3784, 25.9162**, and **32.5710, -16.0575, 17.0392** is the 20% darker color. If you saturate the color by 10%, you get **73.3950, -25.8307, 25.0866**, and if you desaturate by 10%, it is **80.3710, -19.4099, 18.9686**.

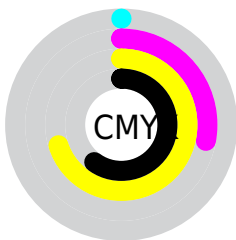
# Distribution



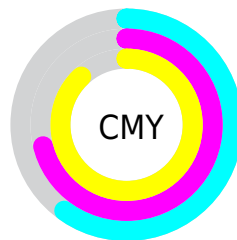
- Red (40%)
- Green (29%)
- Blue (12%)



- Red (31%)
- Yellow (40%)
- Blue (12%)



- Cyan (0%)
- Magenta (28%)
- Yellow (70%)
- Black (60%)



- Cyan (60%)
- Magenta (71%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 76.8830, -22.6203, 22.0276 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 76.8830, -22.6203, 22.0276 by changing the saturation by 10% instead.



■ 76.8830, -22.6203,  
22.0276

■ 76.8830, -22.6203,  
22.0276

■ 255.0000, 0.0000,  
0.0000

■ 53.5730, -22.4675,  
19.6685

■ 126.4490,  
-24.3784, 25.9162

■ 32.5710, -16.0575,  
17.0392

■ 152.5200,  
-25.3994, 26.7310

■ 11.8940, -5.8637,  
14.1250

■ 180.0040,  
-26.1310, 28.0605

■ 0.0000, 0.0000,  
0.0000

■ 207.4880,  
-26.8626, 29.3900

■ 231.1880,  
-25.2357, 20.8831

■ 249.6420,

-20.5295, 4.6990

252.8340, -8.2992,  
1.8996

76.8830, -22.6203,  
22.0276

76.8830, -22.6203,  
22.0276

73.3950, -25.8307,  
25.0866

80.3710, -19.4099,  
18.9686

69.9070, -29.0412,  
28.1456

83.8590, -16.1995,  
15.9097

66.3050, -32.6884,  
31.3045

87.4610, -12.5523,  
12.7507

65.7180, -32.3990,  
31.8193

91.5360, -9.6312,  
9.1769

95.0240, -6.4208,  
6.1180

■ 98.5120, -3.2104,  
3.0590

■ 102.0000, 0.0000,  
0.0000

■ 105.6020, 3.6472,  
-3.1590

■ 109.0900, 6.8576,  
-6.2179

# Harmonies

## Analogous

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



77.6810, -16.1117, 34.4828



76.8830, -22.6203, 22.0276



74.8870, -22.1293, 4.4841

# Triad

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



76.8830, -22.6203, 22.0276



63.2040, 13.7034, -55.4299



80.8010, 15.3811, 13.3295

# Complementary

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



76.8830, -22.6203, 22.0276



56.1170, 22.6203, -22.0276

# 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.



77.2750, 23.0354, -15.1502



76.8830, -22.6203, 22.0276



65.0110, 23.1656, -57.0146

# Square

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



76.8830, -22.6203, 22.0276



62.1480, 1.8990, -49.2418



63.4440, 29.8541, -55.6404



79.9900, 5.4279, 32.4578



# Rectangle

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



76.8830, -22.6203, 22.0276



73.0640, -17.2866, -8.8261



63.4440, 29.8541, -55.6404



80.1420, 18.1710, 5.1375

# Sweetspot

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



76.8830, -22.6203, 22.0276



122.7640, -8.7577, 8.9770



55.6490, 2.6380, 40.6498



60.6540, -5.2524, 4.6884



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



76.8830, -22.6203, 22.0276



93.2300, -35.6094, 34.8783



92.1120, -30.1282, 3.4098



49.2560, -1.6052, 1.5295



74.3010, -36.6304, 35.6930



156.2990, -77.0554, 75.1598



# Inverse Universe

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



56.1170, 22.6203, -22.0276



60.7700, 35.6094, -34.8783



40.8880, 30.1282, -3.4098



47.7440, 1.6052, -1.5295



40.6990, 36.6304, -35.6930



85.7010, 77.0554, -75.1598



# Previews

## White Background



This preview shows how the YUV color 76.8830, -22.6203, 22.0276 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 76.8830, -22.6203, 22.0276 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 76.8830, -22.6203, 22.0276**

## **Background**



This preview shows how black text looks on a background with the YUV color 76.8830, -22.6203, 22.0276.



This preview shows how white text looks on a background with the YUV color 76.8830, -22.6203,



# 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

76.8830, -22.6203, 22.0276

### Protanopia

76.4470, -21.4194, 10.1320

### Deuteranopia

76.7470, -23.0463, 18.6389



## Tritanopia

80.3340, -3.1227, 21.6321

# Trichromacy



## Original Color

76.8830, -22.6203, 22.0276

## Protanomaly

76.6540, -22.0144, 14.3354

## Deuteranomaly

76.4590, -22.9043, 19.7685

## Tritanomaly

78.7980, -10.2534, 22.1022

# Monochromacy



## Original Color

76.8830, -22.6203, 22.0276

## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

77.1660, -8.4628, 7.7474

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 76.8830, -22.6203, 22.0276 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(102, 73, 31)` looks like.

```
.text, #text, p{  
    color:rgb(102, 73, 31)  
}
```

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(102, 73, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 73, 31) }
```

## Border

The CSS property to change the border of an element to YUV 76.8830, -22.6203, 22.0276 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(102, 73, 31) }
```



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

```
.border{ border-color:rgb(102, 73, 31) }
```

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

Here you see how a box with a 4 pixel rgb(102, 73, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 73, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 73, 31);  
box-shadow:4px 4px 4px 4px rgb(102, 73,  
31) }
```

# Background

The CSS property to change the background color of an element to YUV 76.8830, -22.6203, 22.0276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 73, 31) }
```

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

```
.background{ background-color: rgb(102, 73,  
31) }
```

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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