

# Converting Colors

YUV(60.7730, 61.7369, 31.7711)

Have a look what the booklet for  
YUV(60.7730, 61.7369, 31.7711)  
contains.

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# Color

**YUV(60.7730, 61.7369,  
31.7711)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6112BA
RGB	97, 18, 186
RGB Percent	38%, 7%, 73%
CMY	0.6196, 0.9294, 0.2706
CMYK	0.48, 0.90, 0.00, 0.27
HSL	268°, 82%, 40%
HSV	268°, 90%, 73%
XYZ	14.0090, 6.5192, 46.9743
YIQ	60.7730, -6.8440, 68.9960

# Conversions

## Conversions Part 2

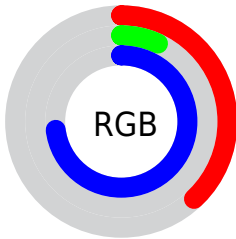
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 18, 186
Decimal	6361786
CIE <sub>Lab</sub>	30.69, 62.88, -70.63
CIE <sub>LCh</sub>	31, 94.565, 311.679
Yxy	6.5192, 0.2075, 0.0966
Android (android.graphics.Color)	4284551866 (0xFF6112BA)
YUV	60.7730, 61.7369, 31.7711
Hunter-Lab	25.5327, 53.2554, -91.2074

# Details

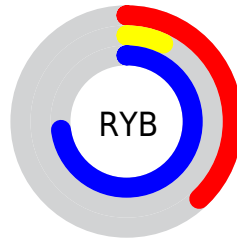
The YUV color **60.7730, 61.7369, 31.7711** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **143.2270, -61.7369, -31.7711**, and the grayscale version is **60.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.1320, 60.5739, 31.4562**, and **23.6050, 52.9457, 4.7314** is the 20% darker color. If you saturate the color by 10%, you get **47.2170, 68.4200, 34.8897**, and if you desaturate by 10%, it is **74.9160, 54.7644, 28.1377**.

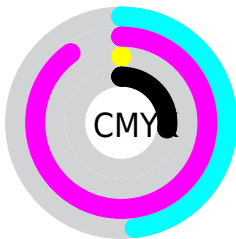
# Distribution



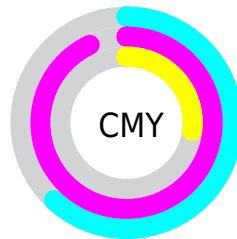
- Red (38%)
- Green (7%)
- Blue (73%)



- Red (38%)
- Yellow (7%)
- Blue (73%)



- Cyan (48%)
- Magenta (90%)
- Yellow (0%)
- Black (27%)



- Cyan (62%)
- Magenta (93%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 60.7730, 61.7369, 31.7711 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 60.7730, 61.7369, 31.7711 by changing the saturation by 10% instead.



60.7730, 61.7369,  
31.7711

60.7730, 61.7369,  
31.7711

255.0000, 0.0000,  
0.0000

37.7460, 59.2852,  
24.7788

120.1320, 60.5739,  
31.4562

23.6050, 52.9457,  
4.7314

146.3190, 53.5797,  
34.8002

11.9700, 45.8638,  
-10.4977

171.1380, 41.3440,  
39.3440

9.1200, 34.9438,  
-7.9982

195.9570, 29.1082,  
43.8877

9.3190, 23.0137,  
-8.1728

215.6710, 19.3892,  
34.4915


4.9360, 13.8356,  
-4.3289

232.1070, 11.2862,


0.7980, 3.0576,


20.0772


-0.6998


 249.1300, 2.8939,  
5.1480


 0.0000, 0.0000,  
0.0000


 60.7730, 61.7369,  
31.7711

 60.7730, 61.7369,  
31.7711


 47.2170, 68.4200,  
34.8897

 74.9160, 54.7644,  
28.1377

 88.4720, 48.0813,  
25.0191

 102.6150, 41.1088,  
21.3856

 115.8720, 34.5731,  
17.6523

 130.0150, 27.6006,  
14.0188

■ 144.1580, 20.6281,  
10.3854

■ 157.7140, 13.9450,  
7.2668

■ 171.8570, 6.9725,  
3.6334

■ 185.4130, 0.2894,  
0.5148

# Harmonies

## Analogous

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



70.0340, 75.4122, -61.4198



60.7730, 61.7369, 31.7711



65.5210, 27.3511, 94.2591

# Triad

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



60.7730, 61.7369, 31.7711



66.7250, -32.8954, 51.1072



68.4530, 16.0457, -60.0333

# Complementary

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



60.7730, 61.7369, 31.7711



143.2270, -61.7369, -31.7711

# 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.



57.2300, -19.3404, -50.1907



60.7730, 61.7369, 31.7711



64.9110, -32.0011, -2.5529

# Square

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



60.7730, 61.7369, 31.7711



50.5310, -24.9118, 103.8973



52.8300, -26.0452, -46.3319



77.1340, 46.7689, -67.6465



# Rectangle

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



60.7730, 61.7369, 31.7711



64.4200, 3.7369, 108.3797



52.8300, -26.0452, -46.3319



64.9020, 4.9783, -56.9191

# Sweetspot

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



60.7730, 61.7369, 31.7711



193.6790, 23.8223, 12.5595



89.9820, 47.3369, -63.1282



93.1270, 14.2344, 7.7816



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



60.7730, 61.7369, 31.7711



61.6740, 88.9007, 45.8899



85.5900, 49.5021, 82.7976



85.2220, 3.3416, 1.5593



39.6110, 57.3798, 29.2822



7.0790, 10.3141, 5.1927



# Inverse Universe

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



78.3780, 14.1106, 94.3845



86.9500, 20.2376, 135.9789



118.4100, -49.5021, -82.7976



86.1470, 0.4205, 5.1331



55.9920, 12.8219, 87.7070

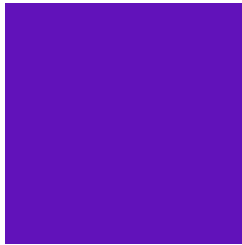


10.0820, 2.4246, 15.7141



# Previews

## White Background



This preview shows how the YUV color 60.7730, 61.7369, 31.7711 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

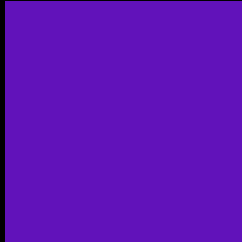
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 60.7730, 61.7369, 31.7711 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

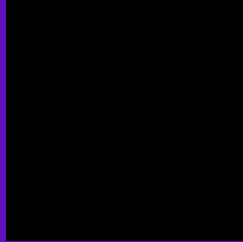
Any Text WCAG AA × Fail

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 60.7730, 61.7369, 31.7711 Background



This preview shows how black text looks on a background with the YUV color 60.7730, 61.7369, 31.7711.



This preview shows how white text looks on a background with the YUV color 60.7730, 61.7369,



# 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

60.7730, 61.7369, 31.7711

### Protanopia

58.6630, 44.5361, -51.4475

### Deuteranopia

59.2040, 33.9164, -51.9219



**Tritanopia**

73.1890, 3.3578, -3.6738

# Trichromacy



## Original Color

60.7730, 61.7369, 31.7711

## Protanomaly

59.4570, 50.5537, -21.4488

## Deuteranomaly

59.7360, 44.0072, -21.6935

## Tritanomaly

68.8850, 24.7067, 8.8709

# Monochromacy



## Original Color

60.7730, 61.7369, 31.7711

## Achromatopsia

61.0000, 0.0000, 0.0000

## Achromatomaly

60.6250, 22.3699, 11.7299

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 60.7730, 61.7369, 31.7711 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(97, 18, 186)` looks like.

```
.text, #text, p{  
    color:rgb(97, 18, 186)  
}
```

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(97, 18, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 18, 186) }
```

## Border

The CSS property to change the border of an element to YUV 60.7730, 61.7369, 31.7711 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(97, 18, 186) }
```



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

```
.border{ border-color:rgb(97, 18, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 18, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 18, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 18, 186);  
box-shadow:4px 4px 4px 4px rgb(97, 18,  
186) }
```

# Background

The CSS property to change the background color of an element to YUV 60.7730, 61.7369, 31.7711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 18, 186) }
```

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

```
.background{ background-color: rgb(97, 18,  
186) }
```

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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