

# Converting Colors

YUV(61.8770, 34.0776, 83.4229)

Have a look what the booklet for  
YUV(61.8770, 34.0776, 83.4229)  
contains.

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# Color

**YUV(61.8770, 34.0776,  
83.4229)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D0083
RGB	157, 0, 131
RGB Percent	62%, 0%, 51%
CMY	0.3843, 1.0000, 0.4863
CMYK	0.00, 1.00, 0.17, 0.38
HSL	310°, 100%, 31%
HSV	310°, 100%, 62%
XYZ	18.0014, 8.8068, 22.2238
YIQ	61.8770, 51.5210, 74.0250

# Conversions

## Conversions Part 2

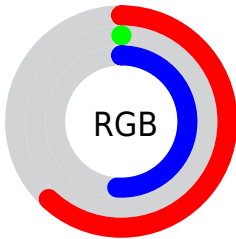
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 0, 131
Decimal	10289283
CIE <sub>Lab</sub>	35.61, 64.68, -28.77
CIE <sub>LCh</sub>	36, 70.795, 336.019
Yxy	8.8068, 0.3671, 0.1796
Android (android.graphics.Color)	4288479363 (0xFF9D0083)
YUV	61.8770, 34.0776, 83.4229
Hunter-Lab	29.6762, 56.3432, -23.6275

# Details

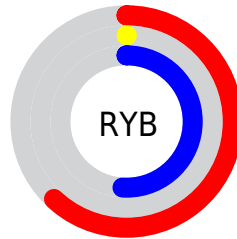
The YUV color **61.8770, 34.0776, 83.4229** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **95.1230, -34.0776, -83.4229**, and the grayscale version is **62.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.6340, 25.8164, 73.1120**, and **39.4330, 20.4925, 53.9943** is the 20% darker color. If you saturate the color by 10%, you get **61.8770, 34.0776, 83.4229**, and if you desaturate by 10%, it is **71.6110, 30.7578, 74.8862**.

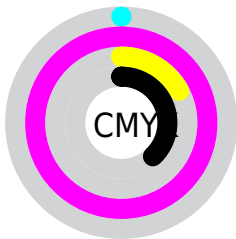
# Distribution



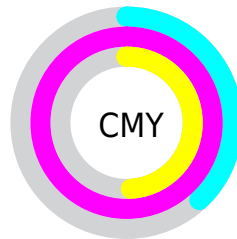
- Red (62%)
- Green (0%)
- Blue (51%)



- Red (62%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (38%)




- Cyan (38%)
- Magenta (100%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 61.8770, 34.0776, 83.4229 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 61.8770, 34.0776, 83.4229 by changing the saturation by 10% instead.





 61.8770, 34.0776,  
83.4229


 61.8770, 34.0776,  
83.4229


255.0000, 0.0000,  
0.0000


 50.6550, 27.2851,  
68.7086

 131.6340, 25.8164,  
73.1120


 39.4330, 20.4925,  
53.9943


 160.8190, 25.2322,  
73.8267


 28.7380, 14.4262,  
39.6948

 183.5510, 28.3224,  
62.6608

 18.4560, 8.6492,  
25.9101

 201.5830, 26.3346,  
46.8467

 1.7380, 4.0732,  
0.2298

 218.6060, 17.9422,  
31.9175

 0.0000, 0.0000,  
0.0000

 235.6290, 9.5499,

16.9884

253.2390, 0.8682,  
1.5444

61.8770, 34.0776,  
83.4229

71.6110, 30.7578,  
74.8862

80.6440, 27.2905,  
66.9642

90.3780, 23.9706,  
58.4275

99.9980, 20.2140,  
49.9908

109.7320, 16.8941,  
41.4540

■ 118.8790, 13.8637,  
33.4321

■ 128.4990, 10.1070,  
24.9954

■ 138.2330, 6.7871,  
16.4587

■ 147.2660, 3.3199,  
8.5367

# Harmonies

## Analogous

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



83.4930, 46.0990, 7.4606



61.8770, 34.0776, 83.4229



61.7720, 6.5214, 101.9320

# Triad

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



61.8770, 34.0776, 83.4229



77.7020, -38.3071, 13.4163



79.3220, 34.8443, -69.5654

# Complementary

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



61.8770, 34.0776, 83.4229



95.1230, -34.0776, -83.4229

# 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.



72.9380, 10.3836, -63.9666



61.8770, 34.0776, 83.4229



64.7020, -31.8981, -35.6957

# Square

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



61.8770, 34.0776, 83.4229



77.6560, -38.2844, 52.9217



64.8100, -15.6823, -56.8384



81.4200, 53.0369, -71.4053



# Rectangle

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



61.8770, 34.0776, 83.4229



56.7710, -8.7611, 103.6868



64.8100, -15.6823, -56.8384



77.2700, 26.9819, -67.7658

# Sweetspot

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



61.8770, 34.0776, 83.4229



167.0530, 13.2849, 32.4025



25.0740, 65.0395, -0.9419



79.5970, 8.0867, 19.6474



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



61.8770, 34.0776, 83.4229



80.3760, 44.1846, 108.4182



53.2130, 0.8810, 91.0212



74.1900, 1.8783, 4.2184



56.3230, 30.8998, 76.0157



5.9670, 3.4673, 7.9219



# Inverse Universe

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



61.8770, 34.0776, 83.4229



80.3760, 44.1846, 108.4182



103.7870, -0.8810, -91.0212



74.1900, 1.8783, 4.2184



56.3230, 30.8998, 76.0157



5.9670, 3.4673, 7.9219



# Previews

## White Background



This preview shows how the YUV color 61.8770, 34.0776, 83.4229 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 61.8770, 34.0776, 83.4229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

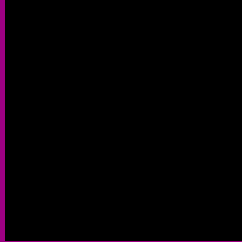
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 61.8770, 34.0776, 83.4229

## Background



This preview shows how black text looks on a background with the YUV color 61.8770, 34.0776, 83.4229.



This preview shows how white text looks on a background with the YUV color 61.8770, 34.0776,



# 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

69.6000, 53.4412, -61.0392

### Deuteranopia

86.3310, 18.0778, -11.6913

### Tritanopia

81.5300, -13.5723, 60.0482

# Trichromacy



## Protanomaly

66.5080, 46.5846, -8.3385

## Deuteranomaly

77.7450, 23.7897, 23.0256

## Tritanomaly

74.4660, 3.7143, 68.8743

# Monochromacy



## Achromatopsia

62.0000, 0.0000, 0.0000

## Achromatomaly

61.8140, 12.4167, 30.8581

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 61.8770, 34.0776, 83.4229 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(157, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(157, 0, 131)  
}
```

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(157, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 0, 131) }
```

## Border

The CSS property to change the border of an element to YUV 61.8770, 34.0776, 83.4229 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(157, 0, 131) }
```

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

```
.border{ border-color:rgb(157, 0, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 0, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(157, 0,  
131) }
```



# Background

The CSS property to change the background color of an element to YUV 61.8770, 34.0776, 83.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 0, 131) }
```

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

```
.background{ background-color: rgb(157, 0,  
131) }
```

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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