

# Converting Colors

YUV(88.1660, 31.9632, 14.7634)

Have a look what the booklet for  
YUV(88.1660, 31.9632, 14.7634)  
contains.

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# Color

**YUV(88.1660, 31.9632,  
14.7634)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	694399
RGB	105, 67, 153
RGB Percent	41%, 26%, 60%
CMY	0.5882, 0.7373, 0.4000
CMYK	0.31, 0.56, 0.00, 0.40
HSL	267°, 39%, 43%
HSV	267°, 56%, 60%
XYZ	13.5826, 9.3175, 31.2196
YIQ	88.1660, -4.9580, 34.8020

# Conversions

## Conversions Part 2

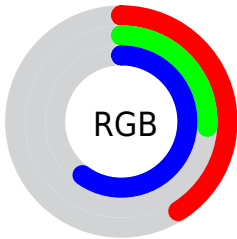
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	105, 67, 153
Decimal	6898585
CIE <sub>Lab</sub>	36.59, 34.73, -41.21
CIE <sub>LCh</sub>	37, 53.897, 310.124
Yxy	9.3175, 0.2510, 0.1722
Android (android.graphics.Color)	4285088665 (0xFF694399)
YUV	88.1660, 31.9632, 14.7634
Hunter-Lab	30.5245, 26.0099, -39.2728

# Details

The YUV color **88.1660, 31.9632, 14.7634** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **131.8340, -31.9632, -14.7634**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.3450, 33.8469, 17.2374**, and **39.1010, 30.5162, 12.1894** is the 20% darker color. If you saturate the color by 10%, you get **76.6700, 37.6307, 16.9524**, and if you desaturate by 10%, it is **99.6620, 26.2956, 12.5744**.

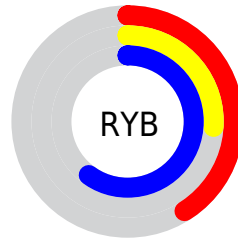
# Distribution



Red (41%)

Green (26%)

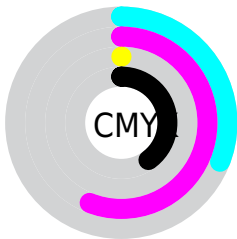
Blue (60%)



Red (41%)

Yellow (26%)

Blue (60%)

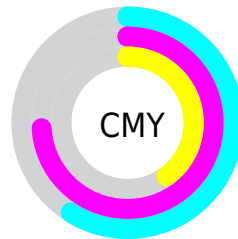


Cyan (31%)

Magenta (56%)

Yellow (0%)

Black (40%)



Cyan (59%)

Magenta (74%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 88.1660, 31.9632, 14.7634 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 88.1660, 31.9632, 14.7634 by changing the saturation by 10% instead.



■ 88.1660, 31.9632,  
14.7634

■ 88.1660, 31.9632,  
14.7634

255.0000, 0.0000,  
0.0000

■ 63.9270, 31.0950,  
13.2190

■ 139.3450, 33.8469,  
17.2374

■ 39.1010, 30.5162,  
12.1894

■ 166.1710, 34.4257,  
18.2670

■ 16.5520, 29.8009,  
8.2859

■ 192.5580, 30.7839,  
19.6816

■ 6.0420, 23.1503,  
-5.2988

■ 217.6650, 18.4062,  
23.0958

■ 4.7080, 12.9620,  
-4.1289

■ 237.3900, 8.6817,  
15.4440

■ 0.2280, 0.8736,  
-0.2000

254.4130, 0.2894,

■ 0.0000, 0.0000,

0.5148

0.0000

■ 88.1660, 31.9632,  
14.7634

■ 88.1660, 31.9632,  
14.7634

■ 76.6700, 37.6307,  
16.9524

■ 99.6620, 26.2956,  
12.5744

■ 64.8860, 43.4402,  
20.2710

■ 111.4460, 20.4861,  
9.2559

■ 53.3900, 49.1077,  
22.4600

■ 122.9420, 14.8186,  
7.0669

■ 42.1930, 54.6279,  
25.2637

■ 134.1390, 9.2985,  
4.2631

■ 37.7740, 56.8064,  
26.5082

■ 146.2220, 3.3416,  
1.5593

■ 157.4190, -2.1786,  
-1.2445

■ 168.9150, -7.8461,  
-3.4335

■ 180.1120,  
-13.3662, -6.2372

■ 192.1950,  
-19.3231, -8.9410

# Harmonies

## Analogous

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



70.6770, 49.9522, -61.9837



88.1660, 31.9632, 14.7634



83.4180, 16.5559, 56.6384

# Triad

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



88.1660, 31.9632, 14.7634



81.1230, -39.9936, 41.1111



73.0350, 13.2937, -64.0517

# Complementary

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



88.1660, 31.9632, 14.7634



131.8340, -31.9632, -14.7634

# 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.



66.7310, -5.7834, -58.5231



88.1660, 31.9632, 14.7634



79.4520, -39.1698, 10.1276

# Square

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



88.1660, 31.9632, 14.7634



79.9190, -23.6241, 64.0920



70.6540, -32.3674, -25.1296



77.1220, 31.4919, -67.6360



# Rectangle

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



88.1660, 31.9632, 14.7634



77.8300, 5.0138, 72.0631



70.6540, -32.3674, -25.1296



71.3250, 6.7418, -62.5520

# Sweetspot

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



88.1660, 31.9632, 14.7634



173.3610, 12.6400, 5.8224



105.5670, 23.3845, -33.8233



84.5580, 7.1199, 3.0186



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



88.1660, 31.9632, 14.7634



98.8030, 49.3971, 22.9748



100.7240, 25.7721, 40.5841



70.8090, 3.0522, 1.0445



34.4980, 52.0125, 24.1193



3.2760, 4.7939, 2.3889



# Inverse Universe

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



98.1860, 8.2893, 48.0719



114.2030, 12.7179, 74.3670



119.2760, -25.7721, -40.5841



71.8480, 0.5679, 4.5183



50.7520, 13.4333, 78.2705

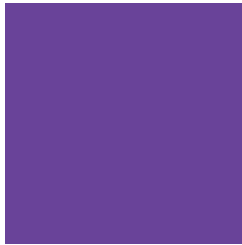


4.6850, 1.1413, 7.2923



# Previews

## White Background



This preview shows how the YUV color 88.1660, 31.9632, 14.7634 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 88.1660, 31.9632, 14.7634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

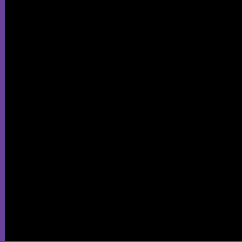
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 88.1660, 31.9632, 14.7634

## Background



This preview shows how black text looks on a background with the YUV color 88.1660, 31.9632, 14.7634.



This preview shows how white text looks on a background with the YUV color 88.1660, 31.9632,



# 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

88.1660, 31.9632, 14.7634

### Protanopia

77.6690, 45.5192, -40.0517

### Deuteranopia

79.4170, 34.3044, -36.3227



## Tritanopia

87.3750, 1.2941, 4.9331

# Trichromacy



## Original Color

88.1660, 31.9632, 14.7634

## Protanomaly

81.5360, 40.6548, -19.7641

## Deuteranomaly

82.5980, 33.2292, -18.0644

## Tritanomaly

87.6710, 12.4872, 8.1815

# Monochromacy



## Original Color

88.1660, 31.9632, 14.7634

## Achromatopsia

88.0000, 0.0000, 0.0000

## Achromatomaly

87.8340, 11.9138, 5.4076

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 88.1660, 31.9632, 14.7634 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(105, 67, 153)` looks like.

```
.text, #text, p{  
    color:rgb(105, 67, 153)  
}
```

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(105, 67, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 67, 153) }
```

## Border

The CSS property to change the border of an element to YUV 88.1660, 31.9632, 14.7634 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(105, 67, 153) }
```



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

```
.border{ border-color:rgb(105, 67, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 67, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 67, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 67, 153);  
box-shadow:4px 4px 4px 4px rgb(105, 67,  
153) }
```

# Background

The CSS property to change the background color of an element to YUV 88.1660, 31.9632, 14.7634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 67, 153) }
```

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

```
.background{ background-color: rgb(105, 67,  
153) }
```

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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