

# Converting Colors

YUV(58.4870, 55.4689, 35.5299)

Have a look what the booklet for  
YUV(58.4870, 55.4689, 35.5299)  
contains.

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# Color

**YUV(58.4870, 55.4689,  
35.5299)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6310AB
RGB	99, 16, 171
RGB Percent	39%, 6%, 67%
CMY	0.6118, 0.9373, 0.3294
CMYK	0.42, 0.91, 0.00, 0.33
HSL	272°, 83%, 37%
HSV	272°, 91%, 67%
XYZ	12.6816, 5.9635, 39.0108
YIQ	58.4870, -0.2870, 65.8010

# Conversions

## Conversions Part 2

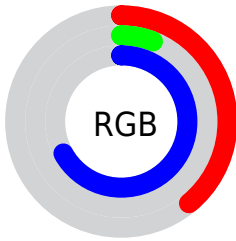
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 16, 171
Decimal	6492331
CIE <sub>Lab</sub>	29.32, 60.15, -63.91
CIE <sub>LCh</sub>	29, 87.764, 313.263
Yxy	5.9635, 0.2200, 0.1034
Android (android.graphics.Color)	4284682411 (0xFF6310AB)
YUV	58.4870, 55.4689, 35.5299
Hunter-Lab	24.4203, 49.9604, -77.6200

# Details

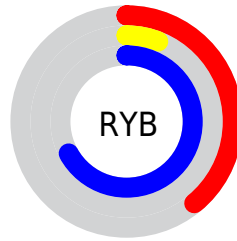
The YUV color **58.4870, 55.4689, 35.5299** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **128.5130, -55.4689, -35.5299**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.4330, 54.0165, 34.7003**, and **24.7000, 45.5039, 11.6641** is the 20% darker color. If you saturate the color by 10%, you get **47.0020, 61.1310, 39.4632**, and if you desaturate by 10%, it is **70.8580, 49.3700, 31.6965**.

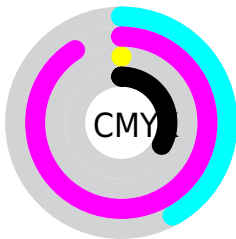
# Distribution



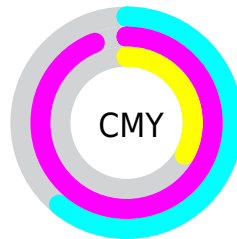
- Red (39%)
- Green (6%)
- Blue (67%)



- Red (39%)
- Yellow (6%)
- Blue (67%)



- Cyan (42%)
- Magenta (91%)
- Yellow (0%)
- Black (33%)



- Cyan (61%)
- Magenta (94%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 58.4870, 55.4689, 35.5299 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 58.4870, 55.4689, 35.5299 by changing the saturation by 10% instead.



■ 58.4870, 55.4689,  
35.5299

■ 58.4870, 55.4689,  
35.5299

■ 255.0000, 0.0000,  
0.0000

■ 37.3460, 52.5804,  
28.6376

■ 117.4330, 54.0165,  
34.7003

■ 24.7000, 45.5039,  
11.6641

■ 145.1450, 54.1585,  
35.8298

■ 10.4880, 40.1854,  
-9.1980

■ 169.6650, 42.0702,  
39.7588

■ 7.6380, 29.2655,  
-6.6985

■ 194.4840, 29.8344,  
44.3025

■ 6.7770, 18.3509,  
-5.9434

■ 213.9100, 20.2574,  
36.0359


■ 3.0950, 9.3202,  
-2.7143


■ 230.9330, 11.8650,

■ 0.0000, 0.0000,


21.1068


0.0000


 247.9560, 3.4727,  
6.1776

 58.4870, 55.4689,  
35.5299


 58.4870, 55.4689,  
35.5299

 47.0020, 61.1310,  
39.4632

 70.8580, 49.3700,  
31.6965

 83.2290, 43.2711,  
27.8632

 95.6000, 37.1722,  
24.0298

 107.9710, 31.0733,  
20.1964

 120.3420, 24.9744,  
16.3631

■ 133.3000, 18.5861,  
12.0149

■ 145.6710, 12.4872,  
8.1815

■ 158.0420, 6.3883,  
4.3482

■ 170.1140, 0.4368,  
-0.1000

# Harmonies

## Analogous

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



65.2750, 69.8704, -57.2462



58.4870, 55.4689, 35.5299



61.5760, 23.8730, 89.8258

# Triad

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



58.4870, 55.4689, 35.5299



64.3220, -31.7107, 44.4446



65.2900, 16.6190, -57.2593

# Complementary

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



58.4870, 55.4689, 35.5299



128.5130, -55.4689, -35.5299

# 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.



55.6800, -15.1252, -48.8314



58.4870, 55.4689, 35.5299



61.6550, -30.3959, -4.0824

# Square

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



58.4870, 55.4689, 35.5299



46.9430, -23.1429, 96.5200



50.4820, -24.8876, -44.2727



73.2870, 44.7215, -64.2727



# Rectangle

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



58.4870, 55.4689, 35.5299



60.4470, 2.7376, 102.2170



50.4820, -24.8876, -44.2727



62.5540, 6.1359, -54.8599

# Sweetspot

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



58.4870, 55.4689, 35.5299



178.4080, 21.4909, 13.6742



75.9340, 46.8675, -52.5621



86.0840, 12.7766, 8.6963



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



58.4870, 55.4689, 35.5299



60.8890, 79.4277, 50.9633



79.4450, 42.6716, 80.2937



80.5210, 3.1941, 2.1741



41.3190, 53.5797, 34.8002



6.2100, 8.2775, 5.0778



# Inverse Universe

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



70.5530, 8.6014, 88.0920



78.1200, 12.2658, 126.1828



107.5550, -42.6716, -80.2937



81.1470, 0.4205, 5.1331



52.8300, 8.4648, 85.2181

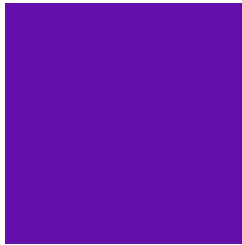


8.1310, 1.4144, 13.0401



# Previews

## White Background



This preview shows how the YUV color 58.4870, 55.4689, 35.5299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

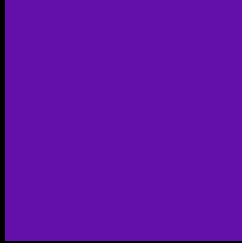
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 58.4870, 55.4689, 35.5299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

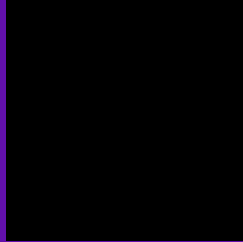
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 58.4870, 55.4689, 35.5299

## Background



This preview shows how black text looks on a background with the YUV color 58.4870, 55.4689, 35.5299.



This preview shows how white text looks on a background with the YUV color 58.4870, 55.4689,



# 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

58.4870, 55.4689, 35.5299

### Protanopia

56.2180, 42.7835, -49.3032

### Deuteranopia

56.8730, 32.6006, -49.8776



## Tritanopia

71.2610, 0.8573, 5.0331

# Trichromacy



## Original Color

58.4870, 55.4689, 35.5299

## Protanomaly

56.9690, 47.3433, -18.3898

## Deuteranomaly

57.2480, 40.7967, -18.6345

## Tritanomaly

66.6040, 20.9012, 16.1333

# Monochromacy



## Original Color

58.4870, 55.4689, 35.5299

## Achromatopsia

58.0000, 0.0000, 0.0000

## Achromatomaly

58.3540, 20.0385, 12.8445

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 58.4870, 55.4689, 35.5299 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(99, 16, 171)` looks like.

```
.text, #text, p{  
    color:rgb(99, 16, 171)  
}
```

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(99, 16, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 16, 171) }
```

## Border

The CSS property to change the border of an element to YUV 58.4870, 55.4689, 35.5299 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(99, 16, 171) }
```



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

```
.border{ border-color:rgb(99, 16, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 16, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 16, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 16, 171);  
box-shadow:4px 4px 4px 4px rgb(99, 16,  
171) }
```

# Background

The CSS property to change the background color of an element to YUV 58.4870, 55.4689, 35.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 16, 171) }
```

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

```
.background{ background-color: rgb(99, 16,  
171) }
```

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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