

# Converting Colors

YUV(39.7960, 49.8936, 3.6869)

Have a look what the booklet for  
YUV(39.7960, 49.8936, 3.6869)  
contains.

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# Color

**YUV(39.7960, 49.8936,  
3.6869)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C128D
RGB	44, 18, 141
RGB Percent	17%, 7%, 55%
CMY	0.8275, 0.9294, 0.4471
CMYK	0.69, 0.87, 0.00, 0.45
HSL	253°, 77%, 31%
HSV	253°, 87%, 55%
XYZ	6.0627, 2.8912, 25.4378
YIQ	39.7960, -23.9870, 43.7650

# Conversions

## Conversions Part 2

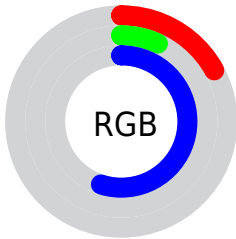
<b>Format</b>	<b>Color</b>
<b>RYB</b>	44, 18, 141
Decimal	2888333
CIELab	19.60, 46.32, -61.80
CIELCh	20, 77.227, 306.853
Yxy	2.8912, 0.1763, 0.0841
Android (android.graphics.Color)	4281078413 (0xFF2C128D)
YUV	39.7960, 49.8936, 3.6869
Hunter-Lab	17.0034, 33.8897, -76.7977

# Details

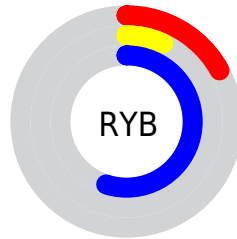
The YUV color **39.7960, 49.8936, 3.6869** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **119.2040, -49.8936, -3.6869**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.0680, 50.7455, 10.4644**, and **10.1460, 38.8750, -8.8980** is the 20% darker color. If you saturate the color by 10%, you get **28.2890, 55.5665, 4.1315**, and if you desaturate by 10%, it is **51.3030, 44.2206, 3.2423**.

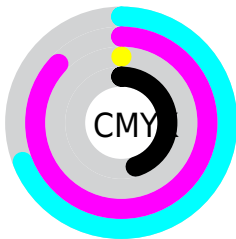
# Distribution



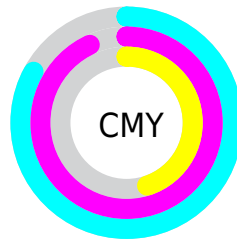
- Red (17%)
- Green (7%)
- Blue (55%)



- Red (17%)
- Yellow (7%)
- Blue (55%)



- Cyan (69%)
- Magenta (87%)
- Yellow (0%)
- Black (45%)



- Cyan (83%)
- Magenta (93%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 39.7960, 49.8936, 3.6869 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 39.7960, 49.8936, 3.6869 by changing the saturation by 10% instead.



■ 39.7960, 49.8936,  
3.6869

■ 39.7960, 49.8936,  
3.6869

■ 255.0000, 0.0000,  
0.0000

■ 13.1100, 50.2318,  
-11.4975

■ 93.0680, 50.7455,  
10.4644

■ 10.1460, 38.8750,  
-8.8980

■ 119.6060, 51.4662,  
12.6235

■ 10.9320, 26.6555,  
-9.5874

■ 146.5460, 52.4818,  
13.5532

■ 6.5490, 17.4773,  
-5.7435

■ 171.0060, 41.4090,  
18.4117

■ 2.8670, 8.4466,  
-2.5144


■ 195.5260, 29.3207,  
22.3407


■ 0.0000, 0.0000,  
0.0000


■ 220.9320, 16.7955,


26.3696


 238.5640, 8.1029,  
14.4144


 39.7960, 49.8936,  
3.6869


 39.7960, 49.8936,  
3.6869


 28.2890, 55.5665,  
4.1315


 51.3030, 44.2206,  
3.2423

 25.0440, 57.1663,  
4.3464

 62.8100, 38.5477,  
2.7976

 74.3170, 32.8747,  
2.3530

 85.8240, 27.2018,  
1.9084

 98.2170, 21.0920,  
1.5637

■ 109.7240, 15.4191,  
1.1191

■ 121.2310, 9.7461,  
0.6744

■ 132.7380, 4.0732,  
0.2298

■ 144.2450, -1.5998,  
-0.2149

# Harmonies

## Analogous

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



50.5080, 56.4446, -44.2955



39.7960, 49.8936, 3.6869



45.8840, 23.2282, 63.2457

# Triad

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



39.7960, 49.8936, 3.6869



41.3080, -20.3648, 45.3339



45.5820, 7.1081, -39.9754

# Complementary

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



39.7960, 49.8936, 3.6869



119.2040, -49.8936, -3.6869

# 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.



37.5680, -18.5210, -32.9471



39.7960, 49.8936, 3.6869



43.7020, -21.5451, 3.7693

# Square

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



39.7960, 49.8936, 3.6869



37.0760, -18.2785, 76.2323



35.2200, -17.3635, -30.8879



52.5530, 31.2794, -46.0890



# Rectangle

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



39.7960, 49.8936, 3.6869



46.4500, 4.7082, 76.7814



35.2200, -17.3635, -30.8879



42.7150, -1.3385, -37.4611

# Sweetspot

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



39.7960, 49.8936, 3.6869



144.4620, 19.4922, 1.3488



89.5480, 25.3658, -62.7476



68.1000, 11.7827, 0.7893



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



39.7960, 49.8936, 3.6869



32.6370, 74.6220, 5.5804



57.7360, 41.0492, 40.5735



65.3960, 2.7628, 0.5297



24.0610, 54.6929, 4.3315



1.5100, 3.1996, 0.4297



# Inverse Universe

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



65.8350, 24.2383, 65.9197



71.5460, 36.2128, 98.6222



101.2640, -41.0492, -40.5735



66.7770, 1.5889, 3.7036



52.5630, 26.8374, 72.2972

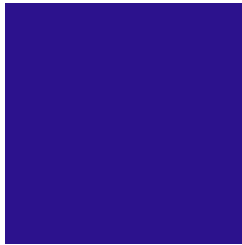


3.0760, 1.4415, 4.3183



# Previews

## White Background



This preview shows how the YUV color 39.7960, 49.8936, 3.6869 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 39.7960, 49.8936, 3.6869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

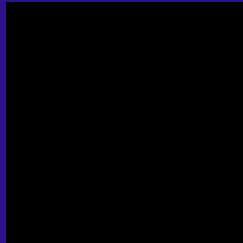
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 39.7960, 49.8936, 3.6869**

## **Background**



This preview shows how black text looks on a background with the YUV color 39.7960, 49.8936, 3.6869.



This preview shows how white text looks on a background with the YUV color 39.7960, 49.8936,



# 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

39.7960, 49.8936, 3.6869

### Protanopia

38.8750, 29.6416, -34.0934

### Deuteranopia

38.9260, 22.2215, -34.1381



## Tritanopia

38.3100, 9.7072, -33.5979

# Trichromacy



## Original Color

39.7960, 49.8936, 3.6869

## Protanomaly

38.9120, 37.0184, -20.0938

## Deuteranomaly

39.0600, 32.5084, -20.2236

## Tritanomaly

38.8830, 24.2147, -20.0684

# Monochromacy



## Original Color

39.7960, 49.8936, 3.6869

## Achromatopsia

40.0000, 0.0000, 0.0000

## Achromatomaly

39.8210, 18.3292, 1.0340

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 39.7960, 49.8936, 3.6869 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(44, 18, 141)` looks like.

```
.text, #text, p{  
    color:rgb(44, 18, 141)  
}
```

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(44, 18, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 18, 141) }
```

## Border

The CSS property to change the border of an element to YUV 39.7960, 49.8936, 3.6869 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(44, 18, 141) }
```



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

```
.border{ border-color:rgb(44, 18, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 18, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 18, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 18, 141);  
box-shadow:4px 4px 4px 4px rgb(44, 18,  
141) }
```

# Background

The CSS property to change the background color of an element to YUV 39.7960, 49.8936, 3.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 18, 141) }
```

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

```
.background{ background-color: rgb(44, 18,  
141) }
```

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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