

# Converting Colors

YUV(45.8370, 61.2124, 13.2980)

Have a look what the booklet for  
YUV(45.8370, 61.2124, 13.2980)  
contains.

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# Color

**YUV(45.8370, 61.2124,  
13.2980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D0EAA
RGB	61, 14, 170
RGB Percent	24%, 5%, 67%
CMY	0.7608, 0.9451, 0.3333
CMYK	0.64, 0.92, 0.00, 0.33
HSL	258°, 85%, 36%
HSV	258°, 92%, 67%
XYZ	9.3372, 4.2085, 38.3504
YIQ	45.8370, -22.0640, 58.4800

# Conversions

## Conversions Part 2

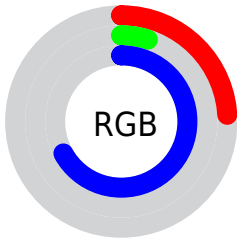
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	61, 14, 170
Decimal	4001450
CIE Lab	24.35, 56.79, -71.68
CIE LCh	24, 91.447, 308.391
Yxy	4.2085, 0.1799, 0.0811
Android (android.graphics.Color)	4282191530 (0xFF3D0EAA)
YUV	45.8370, 61.2124, 13.2980
Hunter-Lab	20.5145, 45.3441, -96.4782

# Details

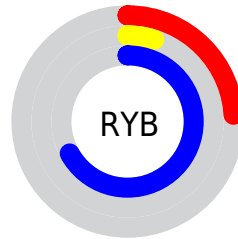
The YUV color **45.8370, 61.2124, 13.2980** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **138.1630, -61.2124, -13.2980**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.1580, 61.0541, 17.4014**, and **13.2240, 50.6686, -11.5974** is the 20% darker color. If you saturate the color by 10%, you get **34.6290, 66.7379, 14.3574**, and if you desaturate by 10%, it is **59.4040, 54.5238, 11.9237**.

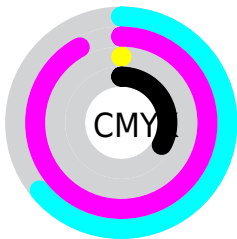
# Distribution



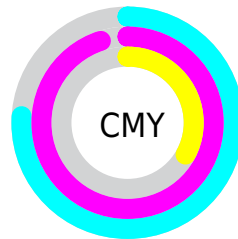
- Red (24%)
- Green (5%)
- Blue (67%)



- Red (24%)
- Yellow (5%)
- Blue (67%)



- Cyan (64%)
- Magenta (92%)
- Yellow (0%)
- Black (33%)



- Cyan (76%)
- Magenta (95%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.8370, 61.2124, 13.2980 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 45.8370, 61.2124, 13.2980 by changing the saturation by 10% instead.



■ 45.8370, 61.2124,  
13.2980

■ 45.8370, 61.2124,  
13.2980

■ 255.0000, 0.0000,  
0.0000

■ 21.3850, 59.9562,  
-3.8456

■ 103.1580, 61.0541,  
17.4014

■ 13.2240, 50.6686,  
-11.5974

■ 130.5820, 61.3381,  
19.6606

■ 10.3740, 39.7486,  
-9.0980

■ 155.4010, 49.1023,  
24.2043

■ 11.6330, 26.8029,  
-10.2021

■ 179.6330, 37.1559,  
29.2629

■ 6.6630, 17.9141,  
-5.8435

■ 205.0390, 24.6308,  
33.2918

■ 2.9810, 8.8834,  
-2.6143


■ 225.0630, 14.7589,


■ 0.0000, 0.0000,


26.2547


0.0000


 242.0860, 6.3666,  
11.3256


 45.8370, 61.2124,  
13.2980


 45.8370, 61.2124,  
13.2980


 34.6290, 66.7379,  
14.3574

 59.4040, 54.5238,  
11.9237

 72.9710, 47.8353,  
10.5494

 86.5380, 41.1468,  
9.1752

 100.1050, 34.4582,  
7.8009

 113.3730, 27.9171,  
5.8119

■ 126.9400, 21.2286,  
4.4376

■ 140.5070, 14.5400,  
3.0634

■ 154.0740, 7.8515,  
1.6891

■ 167.6410, 1.1630,  
0.3148

# Harmonies

## Analogous

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



61.6560, 68.6966, -54.0723



45.8370, 61.2124, 13.2980



56.1940, 26.5264, 78.7599

# Triad

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



45.8370, 61.2124, 13.2980



50.5000, -24.8965, 52.1815



55.1510, 10.7716, -48.3674

# Complementary

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



45.8370, 61.2124, 13.2980



138.1630, -61.2124, -13.2980

# 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.



45.1990, -22.2831, -39.6395



45.8370, 61.2124, 13.2980



52.5400, -25.9022, 1.2804

# Square

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



45.8370, 61.2124, 13.2980



44.5510, -21.9636, 91.6018



42.8510, -21.1255, -37.5803



64.0770, 39.8950, -56.1955



# Rectangle

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



45.8370, 61.2124, 13.2980



56.4460, 4.2171, 94.3249



42.8510, -21.1255, -37.5803



52.3010, -0.1484, -45.8680

# Sweetspot

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



45.8370, 61.2124, 13.2980



172.4500, 24.4282, 4.8674



95.7670, 36.5969, -71.7097



81.9200, 14.8294, 3.5782



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.



45.8370, 61.2124, 13.2980



45.3410, 87.0929, 18.9949



69.1590, 49.7146, 61.2506



77.5100, 3.1996, 0.4297



30.3270, 58.0128, 12.8682



4.0740, 7.8515, 1.6891



# Inverse Universe

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



73.0700, 24.6155, 85.0076



84.0480, 34.9793, 120.9839



114.8410, -49.7146, -61.2506



79.0760, 1.4415, 4.3183



55.9940, 23.1740, 80.6893

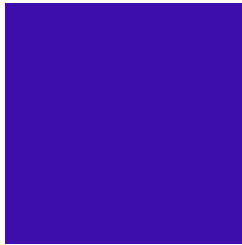


7.5760, 3.1670, 10.8958



# Previews

## White Background



This preview shows how the YUV color 45.8370, 61.2124, 13.2980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

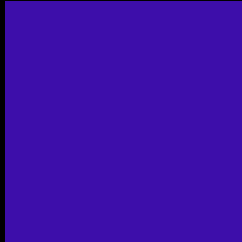
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 45.8370, 61.2124, 13.2980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

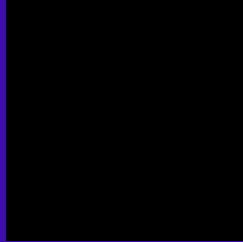
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.8370, 61.2124, 13.2980

## Background



This preview shows how black text looks on a background with the YUV color 45.8370, 61.2124, 13.2980.



This preview shows how white text looks on a background with the YUV color 45.8370, 61.2124,



# 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

45.8370, 61.2124, 13.2980

### Protanopia

47.1390, 35.9205, -41.3409

### Deuteranopia

47.4350, 26.9005, -41.6005



## Tritanopia

46.7220, 11.4761, -40.9752

# Trichromacy



## Original Color

45.8370, 61.2124, 13.2980

## Protanomaly

46.3770, 45.1701, -21.3786

## Deuteranomaly

46.8840, 39.4972, -21.8233

## Tritanomaly

46.2510, 29.4563, -21.2681

# Monochromacy



## Original Color

45.8370, 61.2124, 13.2980

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

45.5810, 22.3916, 4.7525

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.8370, 61.2124, 13.2980 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(61, 14, 170)` looks like.

```
.text, #text, p{  
    color:rgb(61, 14, 170)  
}
```

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(61, 14, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 14, 170) }
```

## Border

The CSS property to change the border of an element to YUV 45.8370, 61.2124, 13.2980 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(61, 14, 170) }
```



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

```
.border{ border-color:rgb(61, 14, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 14, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 14, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 14, 170);  
box-shadow:4px 4px 4px 4px rgb(61, 14,  
170) }
```

# Background

The CSS property to change the background color of an element to YUV 45.8370, 61.2124, 13.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 14, 170) }
```

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

```
.background{ background-color: rgb(61, 14,  
170) }
```

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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