

# Converting Colors

YUV(42.4800, 52.5144, 3.0870)

Have a look what the booklet for  
YUV(42.4800, 52.5144, 3.0870)  
contains.

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# Color

**YUV(42.4800, 52.5144,  
3.0870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E1495
RGB	46, 20, 149
RGB Percent	18%, 8%, 58%
CMY	0.8196, 0.9216, 0.4157
CMYK	0.69, 0.87, 0.00, 0.42
HSL	252°, 76%, 33%
HSV	252°, 87%, 58%
XYZ	6.8017, 3.2511, 28.7028
YIQ	42.4800, -25.9130, 45.6310

# Conversions

## Conversions Part 2

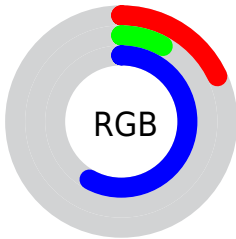
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 20, 149
Decimal	3019925
CIE <sub>Lab</sub>	21.02, 48.00, -64.41
CIE <sub>LCh</sub>	21, 80.328, 306.699
Yxy	3.2511, 0.1755, 0.0839
Android (android.graphics.Color)	4281210005 (0xFF2E1495)
YUV	42.4800, 52.5144, 3.0870
Hunter-Lab	18.0308, 35.7812, -81.7611

# Details

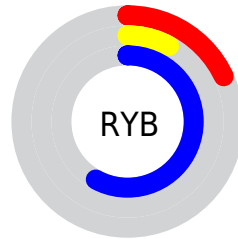
The YUV color **42.4800, 52.5144, 3.0870** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **126.5200, -52.5144, -3.0870**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.0510, 53.2189, 10.4793**, and **11.0580, 42.3694, -9.6979** is the 20% darker color. If you saturate the color by 10%, you get **30.0870, 58.6241, 3.4317**, and if you desaturate by 10%, it is **54.8730, 46.4046, 2.7424**.

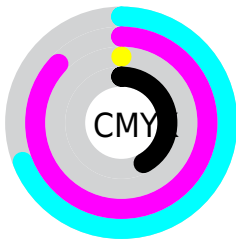
# Distribution



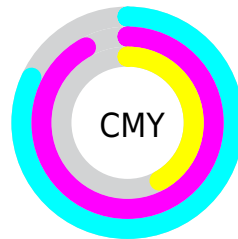
- Red (18%)
- Green (8%)
- Blue (58%)



- Red (18%)
- Yellow (8%)
- Blue (58%)



- Cyan (69%)
- Magenta (87%)
- Yellow (0%)
- Black (42%)



- Cyan (82%)
- Magenta (92%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.4800, 52.5144, 3.0870 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 42.4800, 52.5144, 3.0870 by changing the saturation by 10% instead.



■ 42.4800, 52.5144,  
3.0870

■ 42.4800, 52.5144,  
3.0870

■ 255.0000, 0.0000,  
0.0000

■ 13.9080, 53.2894,  
-12.1973

■ 96.0510, 53.2189,  
10.4793

■ 11.0580, 42.3694,  
-9.6979

■ 122.7030, 54.3764,  
12.5385

■ 8.7950, 31.1601,  
-7.7132

■ 149.1440, 52.1870,  
14.7827

■ 7.8200, 19.8087,  
-6.8581

■ 173.6640, 40.0986,  
18.7117

■ 3.6650, 11.5042,  
-3.2142


■ 198.4830, 27.8629,  
23.2554


■ 0.0000, 0.0000,  
0.0000


■ 223.3020, 15.6271,


27.7991


 240.3250, 7.2348,  
12.8700


 42.4800, 52.5144,  
3.0870


 42.4800, 52.5144,  
3.0870


 30.0870, 58.6241,  
3.4317


 54.8730, 46.4046,  
2.7424

 25.9560, 60.6607,  
3.5466

 67.2660, 40.2949,  
2.3977

 79.6590, 34.1851,  
2.0531

 92.0520, 28.0754,  
1.7084

 104.1460, 22.1130,  
0.7490

■ 115.9520, 16.2927,  
0.9191

■ 128.3450, 10.1829,  
0.5744

■ 140.7380, 4.0732,  
0.2298

■ 153.1310, -2.0366,  
-0.1149

# Harmonies

## Analogous

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



53.8820, 59.2182, -47.2545



42.4800, 52.5144, 3.0870



48.6610, 24.8171, 66.9493

# Triad

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



42.4800, 52.5144, 3.0870



43.3900, -21.3913, 47.8930



48.2720, 7.2609, -42.3345

# Complementary

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



42.4800, 52.5144, 3.0870



126.5200, -52.5144, -3.0870

# 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.



39.9160, -19.6786, -35.0063



42.4800, 52.5144, 3.0870



46.3600, -22.8555, 4.0693

# Square

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



42.4800, 52.5144, 3.0870



39.1690, -19.3103, 80.5358



37.5680, -18.5210, -32.9471



55.5850, 32.7426, -48.7480



# Rectangle

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



42.4800, 52.5144, 3.0870



48.9990, 5.4235, 80.6849



37.5680, -18.5210, -32.9471



45.2910, -1.6225, -39.7202

# Sweetspot

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



42.4800, 52.5144, 3.0870



152.1030, 20.6552, 1.6637



95.1670, 26.5397, -65.9215



72.2140, 12.2195, 0.6893



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



42.4800, 52.5144, 3.0870



33.7770, 78.9899, 4.5806



61.6160, 43.0803, 42.4328



68.0970, 2.9102, -0.0851



24.1040, 56.1507, 3.4168



1.7380, 4.0732, 0.2298



# Inverse Universe

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



70.3130, 25.9747, 69.0085



75.6760, 39.1067, 103.7701



107.3840, -43.0803, -42.4328



69.6630, 1.1521, 3.8035



53.8020, 27.7056, 73.8416

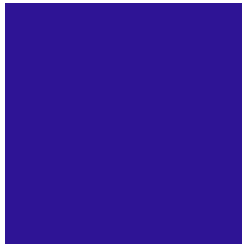


3.9020, 2.0203, 5.3479



# Previews

## White Background



This preview shows how the YUV color 42.4800, 52.5144, 3.0870 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 42.4800, 52.5144, 3.0870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

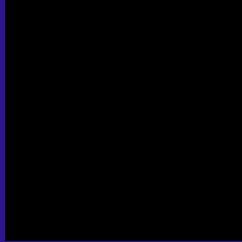
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 42.4800, 52.5144, 3.0870**

## **Background**



This preview shows how black text looks on a background with the YUV color 42.4800, 52.5144, 3.0870.



This preview shows how white text looks on a background with the YUV color 42.4800, 52.5144,



# 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

42.4800, 52.5144, 3.0870

### Protanopia

41.3200, 31.3942, -36.2376

### Deuteranopia

41.2570, 23.5373, -36.1824



## Tritanopia

40.4130, 10.1494, -35.4422

# Trichromacy



## Original Color

42.4800, 52.5144, 3.0870

## Protanomaly

41.7700, 39.0604, -21.7233

## Deuteranomaly

41.8040, 34.1136, -21.7531

## Tritanomaly

41.5130, 25.3831, -21.4979

# Monochromacy



## Original Color

42.4800, 52.5144, 3.0870

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

42.0490, 19.2028, 0.8340

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.4800, 52.5144, 3.0870 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(46, 20, 149)` looks like.

```
.text, #text, p{  
    color:rgb(46, 20, 149)  
}
```

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(46, 20, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 20, 149) }
```

## Border

The CSS property to change the border of an element to YUV 42.4800, 52.5144, 3.0870 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(46, 20, 149) }
```



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

```
.border{ border-color:rgb(46, 20, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 20, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 20, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 20, 149);  
box-shadow:4px 4px 4px 4px rgb(46, 20,  
149) }
```

# Background

The CSS property to change the background color of an element to YUV 42.4800, 52.5144, 3.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 20, 149) }
```

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

```
.background{ background-color: rgb(46, 20,  
149) }
```

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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