

# Converting Colors

YUV(70.0540, 48.7804, 34.1556)

Have a look what the booklet for  
YUV(70.0540, 48.7804, 34.1556)  
contains.

<b>YUV(70.0540, 48.7804, 34.1556)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(70.0540, 48.7804,  
34.1556)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D1FA9
RGB	109, 31, 169
RGB Percent	43%, 12%, 66%
CMY	0.5725, 0.8784, 0.3373
CMYK	0.36, 0.82, 0.00, 0.34
HSL	274°, 69%, 39%
HSV	274°, 82%, 66%
XYZ	13.9581, 7.0958, 38.1701
YIQ	70.0540, 2.1900, 59.4540

# Conversions

## Conversions Part 2

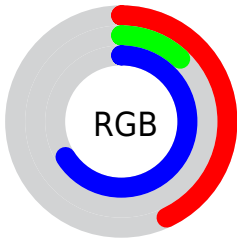
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 31, 169
Decimal	7151529
CIELab	32.02, 56.79, -58.22
CIELCh	32, 81.335, 314.290
Yxy	7.0958, 0.2357, 0.1198
Android (android.graphics.Color)	4285341609 (0xFF6D1FA9)
YUV	70.0540, 48.7804, 34.1556
Hunter-Lab	26.6379, 46.9168, -66.3116

# Details

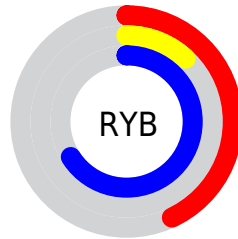
The YUV color **70.0540, 48.7804, 34.1556** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **129.9460, -48.7804, -34.1556**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **125.7660, 48.9224, 35.2852**, and **28.7720, 43.0034, 20.3710** is the 20% darker color. If you saturate the color by 10%, you get **57.9820, 54.7319, 38.6038**, and if you desaturate by 10%, it is **82.1260, 42.8289, 29.7075**.

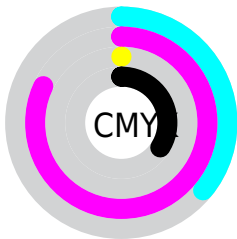
# Distribution



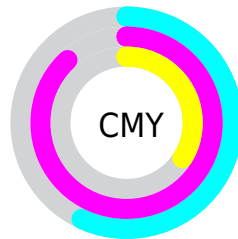
- Red (43%)
- Green (12%)
- Blue (66%)



- Red (43%)
- Yellow (12%)
- Blue (66%)



- Cyan (36%)
- Magenta (82%)
- Yellow (0%)
- Black (34%)



- Cyan (57%)
- Magenta (88%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.0540, 48.7804, 34.1556 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 70.0540, 48.7804, 34.1556 by changing the saturation by 10% instead.



70.0540, 48.7804,  
34.1556

70.0540, 48.7804,  
34.1556

255.0000, 0.0000,  
0.0000

40.4070, 50.0853,  
35.6001

125.7660, 48.9224,  
35.2852

28.7720, 43.0034,  
20.3710

153.5920, 49.5011,  
36.3148

16.8380, 36.0689,  
4.5271

178.2260, 37.8496,  
40.1438

7.5240, 28.8287,  
-6.5985

203.0450, 25.6138,  
44.6875

6.6630, 17.9141,  
-5.8435

219.7800, 17.3635,  
30.8879

2.9810, 8.8834,  
-2.6143

236.8030, 8.9711,

0.0000, 0.0000,

15.9588

0.0000

253.8260, 0.5788,  
1.0296

■ 70.0540, 48.7804,  
34.1556

■ 70.0540, 48.7804,  
34.1556

■ 57.9820, 54.7319,  
38.6038

■ 82.1260, 42.8289,  
29.7075

■ 47.9700, 59.6678,  
42.1223

■ 94.4970, 36.7300,  
25.8741

■ 106.5690, 30.7785,  
21.4260

■ 118.6410, 24.8270,  
16.9778

■ 130.4250, 19.0175,  
13.6593

■ 142.4970, 13.0660,  
9.2111

■ 154.5690, 7.1145,  
4.7630

■ 166.9400, 1.0156,  
0.9296

■ 179.0120, -4.9359,  
-3.5185

# Harmonies

## Analogous

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



67.1670, 66.9657, -58.9055



70.0540, 48.7804, 34.1556



62.7010, 24.3044, 91.4702

# Triad

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



70.0540, 48.7804, 34.1556



71.1000, -35.0523, 42.8853



70.1970, 17.6509, -61.5628

# Complementary

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



70.0540, 48.7804, 34.1556



129.9460, -48.7804, -34.1556

# 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.



61.1570, -11.9094, -53.6347



70.0540, 48.7804, 34.1556



67.2700, -33.1641, -2.8678

# Square

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



70.0540, 48.7804, 34.1556



47.8400, -23.5851, 98.3643



54.0040, -26.6240, -47.3615



76.9230, 43.4220, -67.4615



# Rectangle

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



70.0540, 48.7804, 34.1556



61.5010, 4.1900, 103.0466



54.0040, -26.6240, -47.3615



66.9880, 7.8939, -58.7485

# Sweetspot

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



70.0540, 48.7804, 34.1556



181.5990, 18.4387, 12.6297



83.1260, 42.3359, -45.7145



87.0300, 11.3242, 7.8667



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



70.0540, 48.7804, 34.1556



64.9880, 75.9279, 53.5075



87.1960, 36.8784, 71.7421



78.1080, 2.9048, 1.6593



41.9880, 52.2639, 36.8445



5.8680, 6.9671, 5.3778



# Inverse Universe

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



79.1020, 5.8657, 78.8405



79.0010, 9.3665, 122.7791



112.8040, -36.8784, -71.7421



78.7340, 0.1311, 4.6183



51.5480, 6.1388, 84.5884

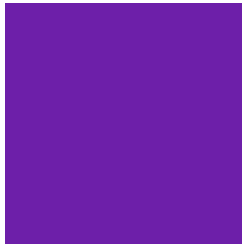


7.0060, 0.9830, 11.3957



# Previews

## White Background



This preview shows how the YUV color 70.0540, 48.7804, 34.1556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

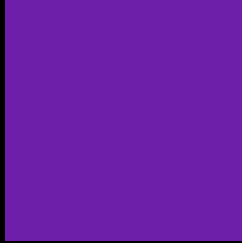
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 70.0540, 48.7804, 34.1556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

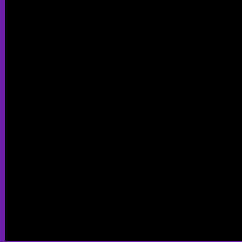
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.0540, 48.7804, 34.1556

## Background



This preview shows how black text looks on a background with the YUV color 70.0540, 48.7804, 34.1556.



This preview shows how white text looks on a background with the YUV color 70.0540, 48.7804,



# 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

70.0540, 48.7804, 34.1556

### Protanopia

61.1080, 46.2888, -53.5917

### Deuteranopia

61.0620, 35.9584, -53.5514



## Tritanopia

77.5500, -0.7641, 11.7957

# Trichromacy



## Original Color

70.0540, 48.7804, 34.1556

## Protanomaly

64.2460, 47.2067, -21.2637

## Deuteranomaly

64.5250, 40.6602, -21.5084

## Tritanomaly

74.7140, 17.3960, 20.4218

# Monochromacy



## Original Color

70.0540, 48.7804, 34.1556

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.0720, 17.7125, 12.2149

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.0540, 48.7804, 34.1556 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(109, 31, 169)` looks like.

```
.text, #text, p{  
    color:rgb(109, 31, 169)  
}
```

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(109, 31, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 31, 169) }
```

## Border

The CSS property to change the border of an element to YUV 70.0540, 48.7804, 34.1556 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(109, 31, 169) }
```



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

```
.border{ border-color:rgb(109, 31, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 31, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 31, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 31, 169);  
box-shadow:4px 4px 4px 4px rgb(109, 31,  
169) }
```

# Background

The CSS property to change the background color of an element to YUV 70.0540, 48.7804, 34.1556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 31, 169) }
```

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

```
.background{ background-color: rgb(109, 31,  
169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor