

# Converting Colors

YUV(43.7780, 30.6754, 54.5687)

Have a look what the booklet for  
YUV(43.7780, 30.6754, 54.5687)  
contains.

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# Color

**YUV(43.7780, 30.6754,  
54.5687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6A006A
RGB	106, 0, 106
RGB Percent	42%, 0%, 42%
CMY	0.5843, 1.0000, 0.5843
CMYK	0.00, 1.00, 0.00, 0.58
HSL	300°, 100%, 21%
HSV	300°, 100%, 42%
XYZ	8.5454, 4.1048, 13.9776
YIQ	43.7780, 29.1500, 55.4380

# Conversions

## Conversions Part 2

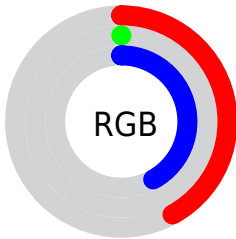
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 0, 106
Decimal	6946922
CIELab	24.01, 51.52, -31.90
CIELCh	24, 60.592, 328.233
Yxy	4.1048, 0.3209, 0.1542
Android (android.graphics.Color)	4285137002 (0xFF6A006A)
YUV	43.7780, 30.6754, 54.5687
Hunter-Lab	20.2603, 39.8323, -26.7221

# Details

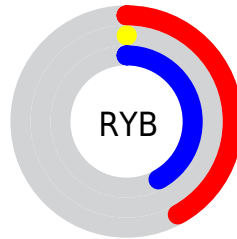
The YUV color **43.7780, 30.6754, 54.5687** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **62.2220, -30.6754, -54.5687**, and the grayscale version is **43.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **104.8930, 26.1818, 49.2058**, and **23.0570, 17.2269, 28.0140** is the 20% darker color. If you saturate the color by 10%, you get **43.7780, 30.6754, 54.5687**, and if you desaturate by 10%, it is **50.2350, 27.4921, 48.9059**.

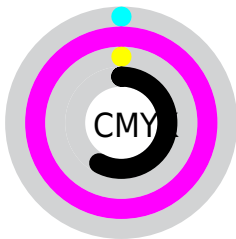
# Distribution



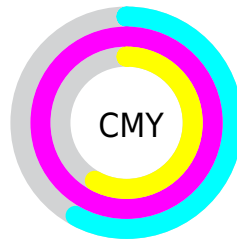
- Red (42%)
- Green (0%)
- Blue (42%)



- Red (42%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (58%)



- Cyan (58%)
- Magenta (100%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 43.7780, 30.6754, 54.5687 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 43.7780, 30.6754, 54.5687 by changing the saturation by 10% instead.



43.7780, 30.6754,  
54.5687

43.7780, 30.6754,  
54.5687

255.0000, 0.0000,  
0.0000

33.1540, 23.5881,  
41.0839

104.8930, 26.1818,  
49.2058

23.0570, 17.2269,  
28.0140

131.6050, 26.3237,  
50.3354

12.7750, 11.4499,  
14.2293

159.3170, 26.4657,  
51.4650

1.2540, 4.8048,  
-1.0998

187.0290, 26.6077,  
52.5946

0.0000, 0.0000,  
0.0000

207.4530, 23.4407,  
41.6987

223.8890, 15.3377,

27.2843

■ 240.9120, 6.9454,  
12.3552

■ 43.7780, 30.6754,  
54.5687

■ 50.2350, 27.4921,  
48.9059

■ 56.1050, 24.5982,  
43.7579

■ 62.5620, 21.4149,  
38.0951

■ 68.4320, 18.5210,  
32.9471

■ 74.8890, 15.3377,  
27.2843

■ 81.3460, 12.1544,  
21.6216

■ 87.2160, 9.2605,  
16.4736

■ 93.6730, 6.0772,  
10.8108

■ 99.5430, 3.1833,  
5.6628

# Harmonies

## Analogous

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



51.8180, 42.9807, -19.1344



43.7780, 30.6754, 54.5687



45.9380, 7.9186, 73.7224

# Triad

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



43.7780, 30.6754, 54.5687



54.1120, -26.6772, 16.5648



55.4250, 21.9755, -48.6077

# Complementary

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



43.7780, 30.6754, 54.5687



62.2220, -30.6754, -54.5687

# 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.



49.4800, 1.7354, -43.3940



43.7780, 30.6754, 54.5687



46.5160, -22.9324, -17.9925

# Square

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



43.7780, 30.6754, 54.5687



50.7770, -25.0331, 49.3076



42.2640, -20.8362, -37.0655



58.3550, 38.2790, -51.1773



# Rectangle

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



43.7780, 30.6754, 54.5687



42.8170, -5.3328, 77.3365



42.2640, -20.8362, -37.0655



53.7150, 15.4235, -47.1081

# Sweetspot

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



43.7780, 30.6754, 54.5687



113.3460, 12.1544, 21.6216



12.0840, 46.3006, -10.5977



54.3250, 7.2348, 12.8700



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



43.7780, 30.6754, 54.5687



56.9940, 39.9360, 71.0423



37.7360, 7.5252, 59.8675



50.4780, 1.7363, 3.0888



48.3210, 33.8587, 60.2315



101.1850, 70.9008, 126.1258



# Inverse Universe

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



43.7780, 30.6754, 54.5687



56.9940, 39.9360, 71.0423



68.2640, -7.5252, -59.8675



50.4780, 1.7363, 3.0888



48.3210, 33.8587, 60.2315



101.1850, 70.9008, 126.1258



# Previews

## White Background



This preview shows how the YUV color 43.7780, 30.6754, 54.5687 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



## 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 43.7780, 30.6754, 54.5687

## Background



This preview shows how black text looks on a background with the YUV color 43.7780, 30.6754, 54.5687.



This preview shows how white text looks on a background with the YUV color 43.7780, 30.6754,



# 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



### Protanopia

48.7690, 37.0889, -42.7704

### Deuteranopia

57.9710, 20.7203, -19.2686

### Tritanopia

59.2710, -7.5286, 34.8423

# Trichromacy



## Protanomaly

47.3050, 34.3596, -7.2835

## Deuteranomaly

52.7600, 24.2753, 7.2265

## Tritanomaly

53.9850, 6.4164, 42.1092

# Monochromacy



## Achromatopsia

44.0000, 0.0000, 0.0000

## Achromatomaly

44.1070, 11.2862, 20.0772

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 43.7780, 30.6754, 54.5687 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(106, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(106, 0, 106)  
}
```

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(106, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 0, 106) }
```

## Border

The CSS property to change the border of an element to YUV 43.7780, 30.6754, 54.5687 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(106, 0, 106) }
```

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

```
.border{ border-color:rgb(106, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(106, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(106, 0,  
106) }
```



# Background

The CSS property to change the background color of an element to YUV 43.7780, 30.6754, 54.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 0, 106) }
```

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

```
.background{ background-color: rgb(106, 0,  
106) }
```

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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