

# Converting Colors

YUV(76.8620, 9.4350, 7.1370)

Have a look what the booklet for  
YUV(76.8620, 9.4350, 7.1370)  
contains.

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# Color

**YUV(76.8620, 9.4350,  
7.1370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	554560
RGB	85, 69, 96
RGB Percent	33%, 27%, 38%
CMY	0.6667, 0.7294, 0.6235
CMYK	0.11, 0.28, 0.00, 0.62
HSL	276°, 16%, 32%
HSV	276°, 28%, 38%
XYZ	7.9858, 7.0321, 12.0028
YIQ	76.8620, 0.8690, 11.7890

# Conversions

## Conversions Part 2

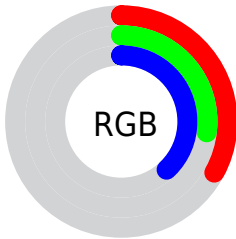
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 69, 96
Decimal	5588320
CIE <sub>Lab</sub>	31.88, 12.61, -13.35
CIE <sub>LCh</sub>	32, 18.363, 313.386
Yxy	7.0321, 0.2955, 0.2602
Android (android.graphics.Color)	4283778400 (0xFF554560)
YUV	76.8620, 9.4350, 7.1370
Hunter-Lab	26.5180, 7.3477, -8.2736

# Details

The YUV color **76.8620, 9.4350, 7.1370** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **88.1380, -9.4350, -7.1370**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **125.8020, 10.4506, 8.0666**, and **32.6230, 8.5669, 5.5926** is the 20% darker color. If you saturate the color by 10%, you get **69.7960, 12.9186, 9.8259**, and if you desaturate by 10%, it is **83.9280, 5.9515, 4.4481**.

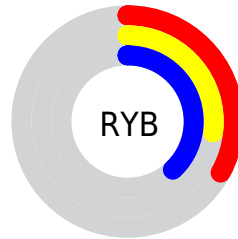
# Distribution



Red (33%)

Green (27%)

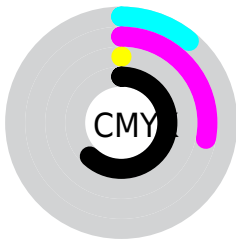
Blue (38%)



Red (33%)

Yellow (27%)

Blue (38%)

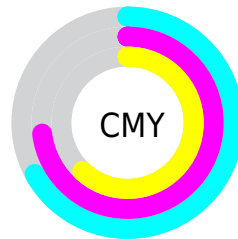


Cyan (11%)

Magenta (28%)

Yellow (0%)

Black (62%)



Cyan (67%)

Magenta (73%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 76.8620, 9.4350, 7.1370 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 76.8620, 9.4350, 7.1370 by changing the saturation by 10% instead.



■ 76.8620, 9.4350,  
7.1370

■ 76.8620, 9.4350,  
7.1370

255.0000, 0.0000,  
0.0000

■ 54.3350, 8.7088,  
6.7222

■ 125.8020, 10.4506,  
8.0666

■ 32.6230, 8.5669,  
5.5926

■ 151.8020, 10.4506,  
8.0666

■ 9.5850, 9.5716,  
10.0110

■ 178.3290, 11.1768,  
8.4815

■ 0.0000, 0.0000,  
0.0000

■ 206.3290, 11.1768,  
8.4815

■ 234.4000, 10.1558,  
9.2962

253.8260, 0.5788,

1.0296

■ 76.8620, 9.4350,  
7.1370

■ 76.8620, 9.4350,  
7.1370

■ 69.7960, 12.9186,  
9.8259

■ 83.9280, 5.9515,  
4.4481

■ 63.3170, 16.1127,  
12.0000

■ 90.4070, 2.7573,  
2.2741

■ 56.2510, 19.5963,  
14.6889

■ 97.4730, -0.7262,  
-0.4148

■ 49.7720, 22.7904,  
16.8630

■ 103.9520, -3.9203,  
-2.5889

■ 42.7060, 26.2739,  
19.5518

■ 111.0180, -7.4039,  
-5.2778

■ 35.9390, 29.6101,  
22.8555

■ 117.7850,  
-10.7400, -8.5814

■ 29.4600, 32.8042,  
25.0296

■ 124.2640,  
-13.9342, -10.7555

■ 27.9870, 33.5304,  
25.4444

■ 131.3300,  
-17.4177, -13.4444

■ 137.8090,  
-20.6118, -15.6185

# Harmonies

## Analogous

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



74.6150, 13.9938, -8.4324



76.8620, 9.4350, 7.1370



77.0330, 3.4347, 18.3881

# Triad

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



76.8620, 9.4350, 7.1370



74.6570, -13.1419, 15.2098



66.6260, 7.0864, -32.9980

# Complementary

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



76.8620, 9.4350, 7.1370



88.1380, -9.4350, -7.1370

# 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.



69.1130, -1.5347, -21.1471



76.8620, 9.4350, 7.1370



73.2920, -12.9620, 4.1289

# Square

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



76.8620, 9.4350, 7.1370



75.9120, -9.8166, 22.0022



71.6540, -8.7034, -8.4666



66.9230, 13.3490, -35.0125



# Rectangle

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



76.8620, 9.4350, 7.1370



76.8010, -1.3809, 22.9765



71.6540, -8.7034, -8.4666



67.5510, 4.1654, -29.4242

# Sweetspot

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



76.8620, 9.4350, 7.1370



117.9340, 3.4835, 2.6889



78.5350, 8.6102, -8.3622



58.9940, 2.4680, 1.7593



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



76.8620, 9.4350, 7.1370



94.6760, 14.9497, 11.6851



79.9230, 6.9400, 14.0995



45.0540, 1.4524, 0.8296



32.5020, 39.1925, 29.3777



69.8180, 83.8997, 63.3036



# Inverse Universe

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



78.3270, 0.8248, 15.4992



96.9090, 1.5239, 24.6358



85.0770, -6.9400, -14.0995



45.4240, 0.2840, 2.2592



38.7320, 3.5831, 64.2560



82.9320, 7.4285, 137.7486



# Previews

## White Background



This preview shows how the YUV color 76.8620, 9.4350, 7.1370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

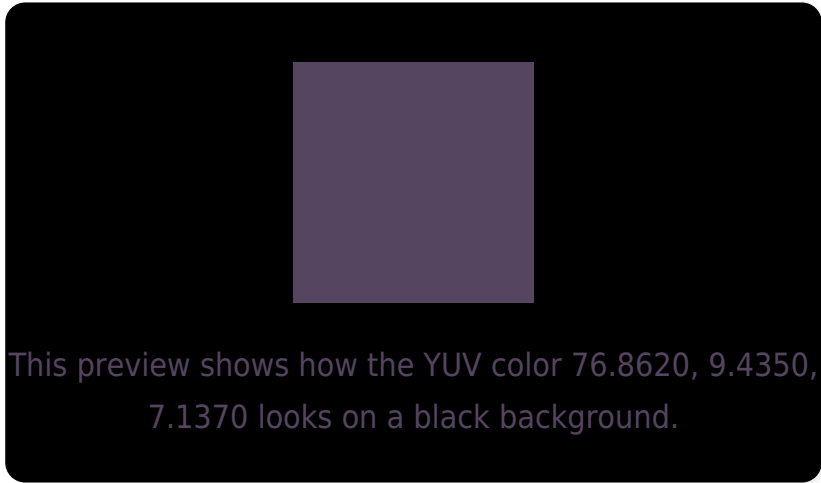
Any Text WCAG AA ✓ Pass

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 76.8620, 9.4350, 7.1370

## Background



This preview shows how black text looks on a background with the YUV color 76.8620, 9.4350, 7.1370.



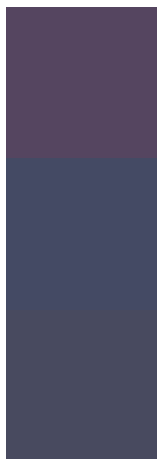
This preview shows how white text looks on a background with the YUV color 76.8620, 9.4350,



# 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

76.8620, 9.4350, 7.1370

### Protanopia

75.1700, 12.2412, -6.2881

### Deuteranopia

75.7960, 9.4676, -3.3291



## Tritanopia

75.6740, 1.1467, 5.5479

# Trichromacy



## Original Color

76.8620, 9.4350, 7.1370

## Protanomaly

75.6760, 11.4987, -1.4699

## Deuteranomaly

76.1170, 9.3093, 0.7744

## Tritanomaly

76.1840, 4.3463, 5.9776

# Monochromacy



## Original Color

76.8620, 9.4350, 7.1370

## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

76.9340, 3.4835, 2.6889

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 76.8620, 9.4350, 7.1370 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(85, 69, 96)` looks like.

```
.text, #text, p{  
    color:rgb(85, 69, 96)  
}
```

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(85, 69, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 69, 96) }
```

## Border

The CSS property to change the border of an element to YUV 76.8620, 9.4350, 7.1370 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(85, 69, 96) }
```



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

```
.border{ border-color:rgb(85, 69, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 69, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 69, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 69, 96);  
box-shadow:4px 4px 4px 4px rgb(85, 69, 96)  
}
```

# Background

The CSS property to change the background color of an element to YUV 76.8620, 9.4350, 7.1370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 69, 96) }
```

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

```
.background{ background-color: rgb(85, 69,  
96) }
```

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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