

# Converting Colors

YUV(70.7540, 26.7433, 8.9857)

Have a look what the booklet for  
YUV(70.7540, 26.7433, 8.9857)  
contains.

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# Color

**YUV(70.7540, 26.7433,  
8.9857)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	51377D
RGB	81, 55, 125
RGB Percent	32%, 22%, 49%
CMY	0.6824, 0.7843, 0.5098
CMYK	0.35, 0.56, 0.00, 0.51
HSL	262°, 39%, 35%
HSV	262°, 56%, 49%
XYZ	8.4612, 5.9624, 20.1069
YIQ	70.7540, -6.9740, 27.2820

# Conversions

## Conversions Part 2

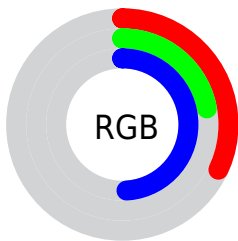
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 55, 125
Decimal	5322621
CIE <sub>Lab</sub>	29.32, 27.92, -35.76
CIE <sub>LCh</sub>	29, 45.368, 307.984
Yxy	5.9624, 0.2450, 0.1727
Android (android.graphics.Color)	4283512701 (0xFF51377D)
<b>YUV</b>	70.7540, 26.7433, 8.9857
Hunter-Lab	24.4180, 19.1215, -31.7297

# Details

The YUV color **70.7540, 26.7433, 8.9857** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **109.2460, -26.7433, -8.9857**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.5200, 28.3376, 10.9450**, and **24.2760, 25.0069, 5.8969** is the 20% darker color. If you saturate the color by 10%, you get **61.3180, 31.3952, 10.2451**, and if you desaturate by 10%, it is **80.7770, 21.8019, 7.2116**.

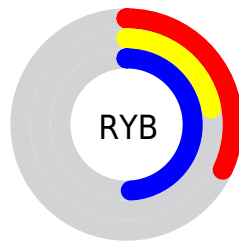
# Distribution



Red (32%)

Green (22%)

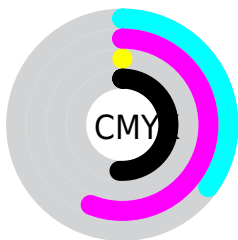
Blue (49%)



Red (32%)

Yellow (22%)

Blue (49%)

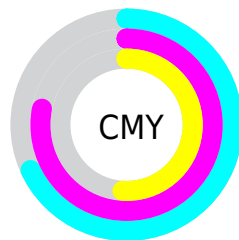


Cyan (35%)

Magenta (56%)

Yellow (0%)

Black (51%)



Cyan (68%)

Magenta (78%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.7540, 26.7433, 8.9857 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 70.7540, 26.7433, 8.9857 by changing the saturation by 10% instead.



70.7540, 26.7433,  
8.9857

70.7540, 26.7433,  
8.9857

255.0000, 0.0000,  
0.0000

47.5150, 25.8751,  
7.4413

120.5200, 28.3376,  
10.9450

24.2760, 25.0069,  
5.8969

146.4600, 29.3532,  
11.8746

9.2170, 21.0920,  
1.5637

172.9870, 30.0794,  
12.2894

4.5940, 12.5252,  
-4.0289

199.9010, 27.1638,  
14.1188

0.0000, 0.0000,  
0.0000

225.0080, 14.7861,  
17.5330

244.4340, 5.2090,

9.2664

■ 70.7540, 26.7433,  
8.9857

■ 70.7540, 26.7433,  
8.9857

■ 61.3180, 31.3952,  
10.2451

■ 80.7770, 21.8019,  
7.2116

■ 51.2950, 36.3366,  
12.0193

■ 90.2130, 17.1500,  
5.9522

■ 41.8590, 40.9885,  
13.2787

■ 100.2360, 12.2087,  
4.1780

■ 32.1350, 45.7824,  
15.6676

■ 109.3730, 7.7041,  
2.3039

■ 28.0040, 47.8190,  
15.7825

■ 119.3960, 2.7628,  
0.5297

■ 128.8320, -1.8892,  
-0.7297

■ 138.8550, -6.8305,  
-2.5038

■ 148.2910,  
-11.4825, -3.7632

■ 158.3140,  
-16.4238, -5.5374

# Harmonies

## Analogous

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



56.9360, 40.4576, -49.9329



70.7540, 26.7433, 8.9857



67.9450, 13.8311, 43.8982

# Triad

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



70.7540, 26.7433, 8.9857



64.8540, -31.9730, 35.2080



58.7870, 9.4720, -51.5562

# Complementary

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



70.7540, 26.7433, 8.9857



109.2460, -26.7433, -8.9857

# 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.



53.3950, -6.1107, -46.8274



70.7540, 26.7433, 8.9857



64.4010, -31.7497, 10.1723

# Square

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



70.7540, 26.7433, 8.9857



63.9330, -18.2080, 53.5558



57.7780, -27.0056, -18.2223



62.0760, 24.6125, -54.4407



# Rectangle

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



70.7540, 26.7433, 8.9857



63.6170, 4.6258, 56.4639



57.7780, -27.0056, -18.2223



56.8320, 4.5198, -49.8417

# Sweetspot

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



70.7540, 26.7433, 8.9857



141.4810, 10.6089, 3.9632



88.8080, 17.8427, -29.6496



68.7320, 6.5411, 1.9890



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



70.7540, 26.7433, 8.9857



78.3860, 41.7147, 13.6935



81.2190, 21.5840, 30.5029



58.6950, 2.6154, 1.1445



28.6450, 48.9820, 16.0973



0.0000, 0.0000, 0.0000



# Inverse Universe

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



80.9460, 8.9006, 38.6354



94.4570, 14.0717, 60.1122



98.7810, -21.5840, -30.5029



59.5490, 0.7153, 3.9035



47.3920, 16.0757, 70.6932



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 70.7540, 26.7433, 8.9857 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 70.7540, 26.7433, 8.9857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

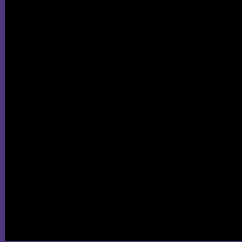
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.7540, 26.7433, 8.9857

## Background



This preview shows how black text looks on a background with the YUV color 70.7540, 26.7433, 8.9857.



This preview shows how white text looks on a background with the YUV color 70.7540, 26.7433,



# 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

70.7540, 26.7433, 8.9857

### Protanopia

62.2370, 37.3512, -33.5338

### Deuteranopia

62.4730, 29.3468, -32.8638



## Tritanopia

69.2820, 2.3260, 0.6297

# Trichromacy



## Original Color

70.7540, 26.7433, 8.9857

## Protanomaly

65.5980, 33.2292, -18.0644

## Deuteranomaly

65.6320, 28.2824, -18.0943

## Tritanomaly

69.7090, 11.4825, 3.7632

# Monochromacy



## Original Color

70.7540, 26.7433, 8.9857

## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

70.9540, 9.8827, 3.5483

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.7540, 26.7433, 8.9857 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(81, 55, 125)` looks like.

```
.text, #text, p{  
    color:rgb(81, 55, 125)  
}
```

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(81, 55, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 55, 125) }
```

## Border

The CSS property to change the border of an element to YUV 70.7540, 26.7433, 8.9857 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(81, 55, 125) }
```



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

```
.border{ border-color:rgb(81, 55, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 55, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 55, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 55, 125);  
box-shadow:4px 4px 4px 4px rgb(81, 55,  
125) }
```

# Background

The CSS property to change the background color of an element to YUV 70.7540, 26.7433, 8.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 55, 125) }
```

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

```
.background{ background-color: rgb(81, 55,  
125) }
```

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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