

Converting Colors

YUV(75.8070, 46.4371, -7.7237)

Have a look what the booklet for
YUV(75.8070, 46.4371, -7.7237)
contains.

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Color

**YUV(75.8070, 46.4371,
-7.7237)**

Conversions

Conversions Part 1

Format	Color
Hex	433EAA
RGB	67, 62, 170
RGB Percent	26%, 24%, 67%
CMY	0.7373, 0.7569, 0.3333
CMYK	0.61, 0.64, 0.00, 0.33
HSL	243°, 47%, 45%
HSV	243°, 64%, 67%
XYZ	11.2931, 7.5408, 38.8905
YIQ	75.8070, -31.6880, 34.6480

Conversions

Conversions Part 2

Format	Color
R _{YB}	67, 62, 170
Decimal	4406954
CIE _{Lab}	33.01, 34.57, -57.41
CIE _{LCh}	33, 67.011, 301.054
Yxy	7.5408, 0.1956, 0.1306
Android (android.graphics.Color)	4282597034 (0xFF433EAA)
YUV	75.8070, 46.4371, -7.7237
Hunter-Lab	27.4606, 25.3516, -64.7460

Details

The YUV color **75.8070, 46.4371, -7.7237** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **156.1930, -46.4371, 7.7237**, and the grayscale version is **75.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **127.7090, 48.4575, -2.3758**, and **24.4910, 45.6069, -21.4786** is the 20% darker color. If you saturate the color by 10%, you get **61.0440, 53.7153, -8.8086**, and if you desaturate by 10%, it is **90.5700, 39.1590, -6.6389**.

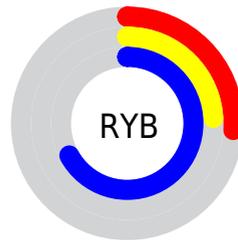
Distribution



Red (26%)

Green (24%)

Blue (67%)



Red (26%)

Yellow (24%)

Blue (67%)

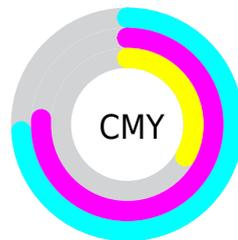


Cyan (61%)

Magenta (64%)

Yellow (0%)

Black (33%)



Cyan (74%)

Magenta (76%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YUV color 75.8070, 46.4371, -7.7237 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 75.8070, 46.4371, -7.7237 by changing the saturation by 10% instead.

■ 75.8070, 46.4371,
-7.7237

■ 75.8070, 46.4371,
-7.7237

■ 255.0000, 0.0000,
0.0000

■ 49.6490, 46.0220,
-14.6012

■ 127.7090, 48.4575,
-2.3758

■ 24.4910, 45.6069,
-21.4786

■ 154.9480, 49.3256,
-0.8314

■ 10.3740, 39.7486,
-9.0980

■ 178.8810, 37.5267,
3.6124

■ 9.9860, 28.1079,
-8.7577

■ 203.4010, 25.4383,
7.5413

■ 6.7770, 18.3509,
-5.9434

■ 228.8070, 12.9131,
11.5703

■ 3.0950, 9.3202,
-2.7143

■ 249.7170, 2.6045,

■ 0.0000, 0.0000,

4.6332

0.0000

■ 75.8070, 46.4371,
-7.7237

■ 75.8070, 46.4371,
-7.7237

■ 61.0440, 53.7153,
-8.8086

■ 90.5700, 39.1590,
-6.6389

■ 46.2810, 60.9935,
-9.8934

■ 105.3330, 31.8808,
-5.5540

■ 31.2190, 68.4190,
-11.5931

■ 120.3950, 24.4553,
-3.8544

■ 21.7720, 73.0764,
-12.0780

■ 135.1580, 17.1771,
-2.7696

■ 149.9210, 9.8989,
-1.6847

■ 164.6840, 2.6208,
-0.5999

■ 179.4470, -4.6574,
0.4850

■ 194.5090,
-12.0829, 2.1846

■ 209.2720,
-19.3611, 3.2695

Harmonies

Analogous

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



71.0990, 56.6462, -62.3538



75.8070, 46.4371, -7.7237



66.3600, 31.3745, 63.7053

Triad

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



75.8070, 46.4371, -7.7237



70.8890, -34.9483, 56.2253



66.4180, 5.7099, -58.2486

Complementary

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



75.8070, 46.4371, -7.7237



156.1930, -46.4371, 7.7237

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.



58.5180, -19.4824, -51.3203



75.8070, 46.4371, -7.7237



72.7180, -35.8500, 18.6643

Square

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



75.8070, 46.4371, -7.7237



50.9180, -11.7916, 95.6649



63.9040, -31.5047, -21.8408



73.1610, 29.0076, -64.1622

Rectangle

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



75.8070, 46.4371, -7.7237



58.7840, 18.3475, 88.7664



63.9040, -31.5047, -21.8408



64.2520, -2.5892, -56.3490

Sweetspot

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



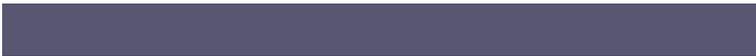
75.8070, 46.4371, -7.7237



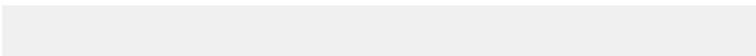
185.3860, 18.0507, -2.9695



135.3600, 17.0775, -64.3367



89.5620, 11.0619, -1.3699



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000

Same Dimension

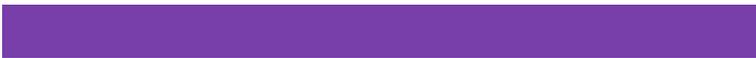
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8070, 46.4371, -7.7237



74.6580, 72.6396, -11.9781



91.6540, 38.6246, 24.8594



76.9120, 3.4944, -0.7998



18.9650, 63.6143, -10.4933



2.5790, 8.5886, -1.3848

Inverse Universe

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



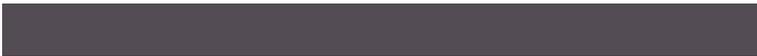
106.0340, 29.0702, 56.0982



121.8850, 45.4127, 87.8009



140.3460, -38.6246, -24.8594



79.3040, 2.3151, 4.1184



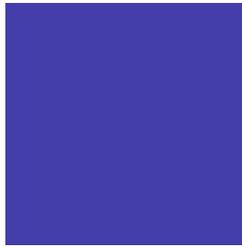
60.3260, 39.7723, 76.8901



8.1460, 5.3510, 10.3960

Previews

White Background



This preview shows how the YUV color 75.8070, 46.4371, -7.7237 looks on a white background.

Color Contrast Check

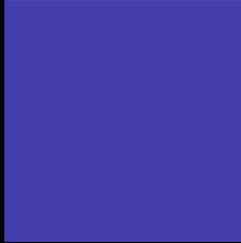
Large Text (above 18pt) WCAG AA ✓ Pass

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 75.8070, 46.4371, -7.7237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

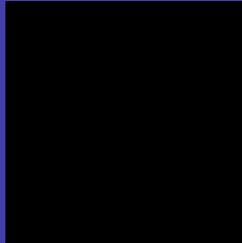
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 75.8070, 46.4371, -7.7237

Background



This preview shows how black text looks on a background with the YUV color 75.8070, 46.4371, -7.7237.



This preview shows how white text looks on a background with the YUV color 75.8070, 46.4371, -7.7237.

-7.7237.

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

75.8070, 46.4371, -7.7237

Protanopia

62.0370, 47.3098, -54.4064

Deuteranopia

62.4640, 36.2532, -54.7809



Tritanopia

69.0540, 11.3124, -35.1274

Trichromacy



Original Color

75.8070, 46.4371, -7.7237

Protanomaly

66.7340, 46.9661, -37.4777

Deuteranomaly

66.8990, 39.9828, -37.6224

Tritanomaly

71.7360, 23.7942, -25.2015

Monochromacy



Original Color

75.8070, 46.4371, -7.7237

Achromatopsia

76.0000, 0.0000, 0.0000

Achromatomaly

76.0440, 16.7403, -2.6696

CSS Examples

Text

The CSS property to change the color of the text to YUV 75.8070, 46.4371, -7.7237 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(67, 62, 170)` looks like.

```
.text, #text, p{  
    color:rgb(67, 62, 170)  
}
```

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(67, 62, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 62, 170) }
```

Border

The CSS property to change the border of an element to YUV 75.8070, 46.4371, -7.7237 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(67, 62, 170) }
```

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

```
.border{ border-color:rgb(67, 62, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 62, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 62, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 62, 170);  
box-shadow:4px 4px 4px 4px rgb(67, 62,  
170) }
```

Background

The CSS property to change the background color of an element to YUV 75.8070, 46.4371, -7.7237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 62, 170) }
```

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

```
.background{ background-color: rgb(67, 62,  
170) }
```

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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