

# Converting Colors

YUV(78.8490, 32.6124, -6.8836)

Have a look what the booklet for  
YUV(78.8490, 32.6124, -6.8836)  
contains.

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# Color

**YUV(78.8490, 32.6124,  
-6.8836)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	474691
RGB	71, 70, 145
RGB Percent	28%, 27%, 57%
CMY	0.7216, 0.7255, 0.4314
CMYK	0.51, 0.52, 0.00, 0.43
HSL	241°, 35%, 42%
HSV	241°, 52%, 57%
XYZ	9.8995, 7.7642, 27.7650
YIQ	78.8490, -23.4790, 23.5370

# Conversions

## Conversions Part 2

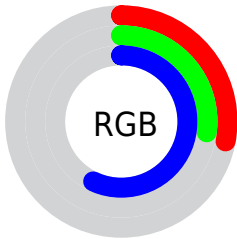
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 70, 145
Decimal	4671121
CIE <sub>Lab</sub>	33.49, 21.94, -41.50
CIE <sub>LCh</sub>	33, 46.948, 297.866
Yxy	7.7642, 0.2179, 0.1709
Android (android.graphics.Color)	4282861201 (0xFF474691)
YUV	78.8490, 32.6124, -6.8836
Hunter-Lab	27.8644, 14.6539, -39.5733

# Details

The YUV color **78.8490, 32.6124, -6.8836** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **136.1510, -32.6124, 6.8836**, and the grayscale version is **79.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.0280, 34.4962, -4.4096**, and **29.5550, 31.7714, -17.1497** is the 20% darker color. If you saturate the color by 10%, you get **66.4450, 38.7276, -8.2833**, and if you desaturate by 10%, it is **91.8400, 26.2079, -5.9987**.

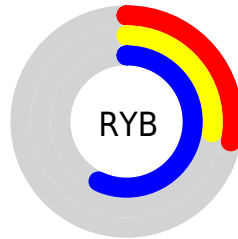
# Distribution



 Red (28%)

 Green (27%)

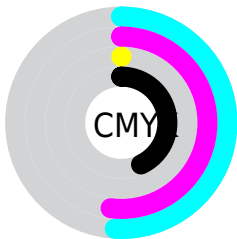
 Blue (57%)




 Red (28%)

 Yellow (27%)

 Blue (57%)

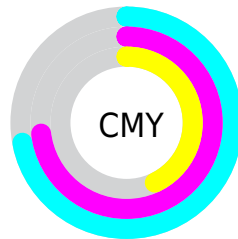


 Cyan (51%)

 Magenta (52%)

 Yellow (0%)

 Black (43%)



 Cyan (72%)

 Magenta (73%)

 Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 78.8490, 32.6124, -6.8836 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 78.8490, 32.6124, -6.8836 by changing the saturation by 10% instead.



■ 78.8490, 32.6124,  
-6.8836

■ 78.8490, 32.6124,  
-6.8836

255.0000, 0.0000,  
0.0000

■ 54.8980, 31.6023,  
-9.5575

■ 129.0280, 34.4962,  
-4.4096

■ 29.5550, 31.7714,  
-17.1497

■ 155.9680, 35.5118,  
-3.4799

■ 9.7410, 29.7077,  
-8.5429

■ 182.6800, 35.6538,  
-2.3504

■ 7.5920, 18.9351,  
-6.6582

■ 207.4880, 23.4234,  
0.4490

■ 3.4370, 10.6306,  
-3.0142

■ 232.5950, 11.0457,  
3.8632

■ 0.0000, 0.0000,  
0.0000

254.4130, 0.2894,

0.5148

■ 78.8490, 32.6124,  
-6.8836

■ 78.8490, 32.6124,  
-6.8836

■ 66.4450, 38.7276,  
-8.2833

■ 91.8400, 26.2079,  
-5.9987

■ 53.1550, 45.2796,  
-9.7829

■ 104.5430, 19.9453,  
-3.9842

■ 40.7510, 51.3948,  
-11.1826

■ 117.5340, 13.5407,  
-3.0993

■ 27.7600, 57.7993,  
-12.0675

■ 129.9380, 7.4256,  
-1.6996

■ 17.1280, 63.0409,  
-13.2673

■ 143.2280, 0.8736,  
-0.2000

■ 155.6320, -5.2416,  
1.1997

■ 168.0360,  
-11.3567, 2.5994

■ 181.0270,  
-17.7613, 3.4843

■ 194.3170,  
-24.3133, 4.9840

# Harmonies

## Analogous

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



66.7500, 42.5213, -58.5397



78.8490, 32.6124, -6.8836



79.9700, 19.2418, 35.1063

# Triad

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



78.8490, 32.6124, -6.8836



74.7350, -31.4214, 44.9594



64.3150, 5.2677, -56.4043

# Complementary

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



78.8490, 32.6124, -6.8836



136.1510, -32.6124, 6.8836

# 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.



58.6950, -11.1886, -51.4755



78.8490, 32.6124, -6.8836



73.9140, -36.4396, 21.1234

# Square

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



78.8490, 32.6124, -6.8836



73.5300, -13.5723, 60.0482



69.6070, -34.3163, -6.6713



68.6470, 21.8660, -60.2034



# Rectangle

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



78.8490, 32.6124, -6.8836



75.8600, 9.4360, 53.6198



69.6070, -34.3163, -6.6713



62.8330, -0.4107, -55.1045

# Sweetspot

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



78.8490, 32.6124, -6.8836



162.4200, 13.1039, -2.9993



122.5750, 11.0555, -46.1083



78.3510, 7.7150, -1.1848



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



78.8490, 32.6124, -6.8836



85.6370, 50.9580, -11.0826



89.9120, 27.1584, 15.8632



64.7980, 3.0576, -0.6998



15.9880, 58.6729, -12.2675



0.9120, 3.4944, -0.7998



# Inverse Universe

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



100.8610, 21.2675, 38.7099



120.0930, 32.9852, 60.4314



125.3870, -27.3058, -15.2484



66.8910, 2.0257, 3.6036



55.5270, 38.1942, 69.6978



3.3040, 2.3151, 4.1184



# Previews

## White Background



This preview shows how the YUV color 78.8490, 32.6124, -6.8836 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 78.8490, 32.6124, -6.8836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

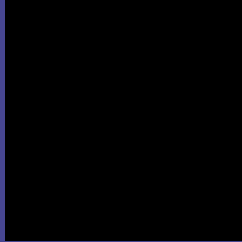
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 78.8490, 32.6124, -6.8836**

## **Background**



This preview shows how black text looks on a background with the YUV color 78.8490, 32.6124, -6.8836.



This preview shows how white text looks on a background with the YUV color 78.8490, 32.6124,

-6.8836.

# 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

78.8490, 32.6124, -6.8836

### Protanopia

72.2910, 38.8035, -32.7042

### Deuteranopia

63.1480, 38.8740, -55.3808



## Tritanopia

75.1270, 7.3324, -18.5284

# Trichromacy



## Original Color

78.8490, 32.6124, -6.8836

## Protanomaly

74.7760, 36.5924, -23.4826

## Deuteranomaly

68.6880, 36.6358, -37.4374

## Tritanomaly

76.2660, 16.6309, -14.2653

# Monochromacy



## Original Color

78.8490, 32.6124, -6.8836

## Achromatopsia

79.0000, 0.0000, 0.0000

## Achromatomaly

79.0780, 11.7935, -2.6994

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 78.8490, 32.6124, -6.8836 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(71, 70, 145)` looks like.

```
.text, #text, p{  
    color:rgb(71, 70, 145)  
}
```

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(71, 70, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 70, 145) }
```

## Border

The CSS property to change the border of an element to YUV 78.8490, 32.6124, -6.8836 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(71, 70, 145) }
```



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

```
.border{ border-color:rgb(71, 70, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 70, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 70, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 70, 145);  
box-shadow:4px 4px 4px 4px rgb(71, 70,  
145) }
```

# Background

The CSS property to change the background color of an element to YUV 78.8490, 32.6124, -6.8836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 70, 145) }
```

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

```
.background{ background-color: rgb(71, 70,  
145) }
```

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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