

# Converting Colors

YUV(56.6830, 57.8373,  
-24.2780)

Have a look what the booklet for  
YUV(56.6830, 57.8373, -24.2780)  
contains.

<b>YUV(56.6830, 57.8373, -24.2780)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(56.6830, 57.8373,  
-24.2780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1D30AE
RGB	29, 48, 174
RGB Percent	11%, 19%, 68%
CMY	0.8863, 0.8118, 0.3176
CMYK	0.83, 0.72, 0.00, 0.32
HSL	232°, 71%, 40%
HSV	232°, 83%, 68%
XYZ	9.2036, 5.4311, 40.6076
YIQ	56.6830, -51.7700, 35.1580

# Conversions

## Conversions Part 2

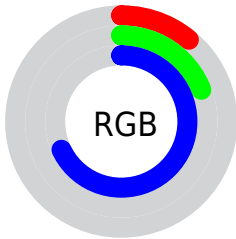
<b>Format</b>	<b>Color</b>
<b>RYB</b>	29, 46, 174
Decimal	1913006
CIELab	27.93, 40.25, -68.22
CIElCh	28, 79.211, 300.542
Yxy	5.4311, 0.1666, 0.0983
Android (android.graphics.Color)	4280103086 (0xFF1D30AE)
YUV	56.6830, 57.8373, -24.2780
Hunter-Lab	23.3047, 29.7109, -86.9973

# Details

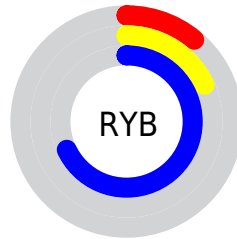
The YUV color **56.6830, 57.8373, -24.2780** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **146.3170, -57.8373, 24.2780**, and the grayscale version is **56.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.5970, 58.3727, -9.2936**, and **17.7890, 50.3900, -15.6010** is the 20% darker color. If you saturate the color by 10%, you get **42.7950, 64.6841, -27.0072**, and if you desaturate by 10%, it is **70.5710, 50.9905, -21.5488**.

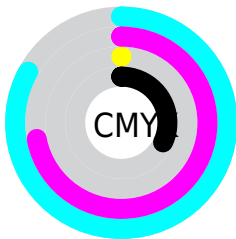
# Distribution



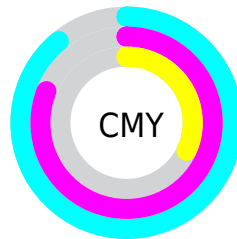
- Red (11%)
- Green (19%)
- Blue (68%)



- Red (11%)
- Yellow (18%)
- Blue (68%)



- Cyan (83%)
- Magenta (72%)
- Yellow (0%)
- Black (32%)



- Cyan (89%)
- Magenta (81%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 56.6830, 57.8373, -24.2780 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 56.6830, 57.8373, -24.2780 by changing the saturation by 10% instead.



■ 56.6830, 57.8373,  
-24.2780

■ 56.6830, 57.8373,  
-24.2780

■ 255.0000, 0.0000,  
0.0000

■ 32.6070, 56.3957,  
-28.5963

■ 112.5970, 58.3727,  
-9.2936

■ 17.7890, 50.3900,  
-15.6010

■ 139.2770, 57.0514,  
-5.5049

■ 10.8300, 41.4958,  
-9.4979

■ 163.2100, 45.2525,  
-1.0612

■ 12.6760, 28.2607,  
-11.1169

■ 187.4420, 33.3061,  
3.9974

■ 7.5920, 18.9351,  
-6.6582

■ 213.1470, 20.6335,  
8.6411

■ 3.4370, 10.6306,  
-3.0142

■ 238.5530, 8.1084,

■ 0.0000, 0.0000,

12.6700

0.0000

■ 56.6830, 57.8373,  
-24.2780

■ 56.6830, 57.8373,  
-24.2780

■ 42.7950, 64.6841,  
-27.0072

■ 70.5710, 50.9905,  
-21.5488

■ 33.3370, 69.3469,  
-29.2365

■ 84.7580, 43.9963,  
-18.2048

■ 98.6460, 37.1495,  
-15.4755

■ 112.8330, 30.1553,  
-12.1315

■ 127.3080, 23.0192,  
-9.9171

■ 141.1960, 16.1724,  
-7.1879

■ 155.3830, 9.1782,  
-3.8439

■ 169.2710, 2.3314,  
-1.1147

■ 183.4580, -4.6628,  
2.2293

# Harmonies

## Analogous

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



66.5000, 61.8715, -58.3205



56.6830, 57.8373, -24.2780



54.5440, 35.7208, 69.6829

# Triad

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



56.6830, 57.8373, -24.2780



56.4580, -27.8338, 60.9883



58.5930, 3.6517, -51.3861

# Complementary

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



56.6830, 57.8373, -24.2780



146.3170, -57.8373, 24.2780

# 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.



49.3080, -24.3088, -43.2431



56.6830, 57.8373, -24.2780



62.3740, -30.7504, 16.3350

# Square

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



56.6830, 57.8373, -24.2780



47.7410, -20.0853, 95.8201



46.3730, -22.8619, -40.6691



66.2480, 30.4437, -58.0995



# Rectangle

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



56.6830, 57.8373, -24.2780



57.2740, 15.1479, 88.3367



46.3730, -22.8619, -40.6691



55.4980, -5.6685, -48.6717

# Sweetspot

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



56.6830, 57.8373, -24.2780



181.1940, 22.5824, -9.8171



128.4790, 13.0749, -87.2431



86.9250, 13.8410, -6.0732



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



56.6830, 57.8373, -24.2780



43.4880, 90.4714, -38.1390



61.3770, 55.5231, 18.0864



79.6130, 3.6418, -1.4146



28.8400, 59.7319, -25.2927



4.3830, 9.1782, -3.8439



# Inverse Universe

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



74.5210, -13.0749, 87.2431



71.2930, -20.3574, 136.5550



141.6230, -55.5231, -18.0864



80.8050, -0.8899, 5.4330



47.1300, -13.3751, 90.2170

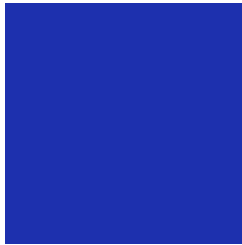


7.2190, -2.0800, 13.8399



# Previews

## White Background



This preview shows how the YUV color 56.6830, 57.8373, -24.2780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

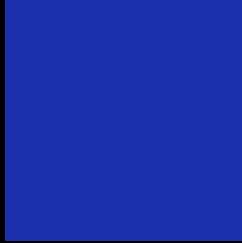
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 56.6830, 57.8373, -24.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

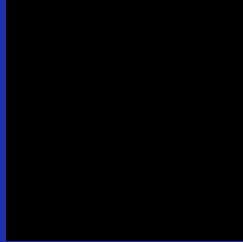
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 56.6830, 57.8373, -24.2780

## Background



This preview shows how black text looks on a background with the YUV color 56.6830, 57.8373, -24.2780.



This preview shows how white text looks on a background with the YUV color 56.6830, 57.8373, -24.2780.



# 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

56.6830, 57.8373, -24.2780

### Protanopia

52.8440, 40.0099, -46.3442

### Deuteranopia

52.9120, 30.1164, -46.4038



## Tritanopia

51.6290, 12.5079, -45.2786

# Trichromacy



## Original Color

56.6830, 57.8373, -24.2780

## Protanomaly

54.3210, 46.6767, -37.9925

## Deuteranomaly

54.6000, 40.1302, -38.2372

## Tritanomaly

53.6250, 28.7789, -37.3821

# Monochromacy



## Original Color

56.6830, 57.8373, -24.2780

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.1510, 21.1246, -8.9024

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 56.6830, 57.8373, -24.2780 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(29, 48, 174)` looks like.

```
.text, #text, p{  
    color:rgb(29, 48, 174)  
}
```

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(29, 48, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 48, 174) }
```

## Border

The CSS property to change the border of an element to YUV 56.6830, 57.8373, -24.2780 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(29, 48, 174) }
```



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

```
.border{ border-color:rgb(29, 48, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 48, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 48, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 48, 174);  
box-shadow:4px 4px 4px 4px rgb(29, 48,  
174) }
```

# Background

The CSS property to change the background color of an element to YUV 56.6830, 57.8373, -24.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 48, 174) }
```

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

```
.background{ background-color: rgb(29, 48,  
174) }
```

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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