

# Converting Colors

YUV(40.8450, 41.9814,  
-25.2971)

Have a look what the booklet for  
YUV(40.8450, 41.9814, -25.2971)  
contains.

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# Color

**YUV(40.8450, 41.9814,  
-25.2971)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C277E
RGB	12, 39, 126
RGB Percent	5%, 15%, 49%
CMY	0.9529, 0.8471, 0.5059
CMYK	0.90, 0.69, 0.00, 0.51
HSL	226°, 83%, 27%
HSV	226°, 90%, 49%
XYZ	4.6430, 3.0356, 20.0799
YIQ	40.8450, -44.0190, 21.3330

# Conversions

## Conversions Part 2

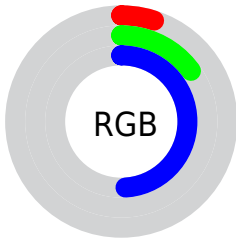
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 34, 126
Decimal	796542
CIE Lab	20.19, 26.81, -51.45
CIE LCh	20, 58.015, 297.519
Yxy	3.0356, 0.1673, 0.1094
Android (android.graphics.Color)	4278986622 (0xFF0C277E)
YUV	40.8450, 41.9814, -25.2971
Hunter-Lab	17.4229, 17.0786, -56.1358

# Details

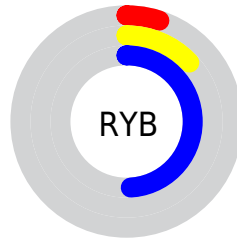
The YUV color **40.8450, 41.9814, -25.2971** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **97.1550, -41.9814, 25.2971**, and the grayscale version is **40.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.3460, 42.2274, -10.8274**, and **8.6640, 33.1966, -7.5983** is the 20% darker color. If you saturate the color by 10%, you get **31.9740, 46.3548, -28.0412**, and if you desaturate by 10%, it is **50.6020, 37.1712, -22.4530**.

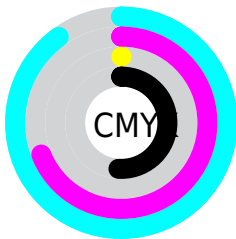
# Distribution



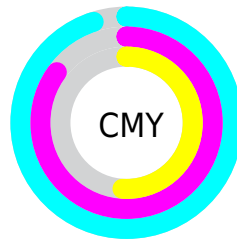
- Red (5%)
- Green (15%)
- Blue (49%)



- Red (5%)
- Yellow (13%)
- Blue (49%)



- Cyan (90%)
- Magenta (69%)
- Yellow (0%)
- Black (51%)



- Cyan (95%)
- Magenta (85%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.8450, 41.9814, -25.2971 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 40.8450, 41.9814, -25.2971 by changing the saturation by 10% instead.



■ 40.8450, 41.9814,  
-25.2971

■ 40.8450, 41.9814,  
-25.2971

■ 255.0000, 0.0000,  
0.0000

■ 22.5530, 38.1814,  
-19.7790

■ 94.3460, 42.2274,  
-10.8274

■ 8.6640, 33.1966,  
-7.5983

■ 119.9980, 43.3850,  
-8.7682

■ 8.2760, 21.5559,  
-7.2581

■ 146.2370, 44.2532,  
-7.2238

■ 4.5940, 12.5252,  
-4.0289

■ 172.0370, 40.9008,  
-5.2944

■ 0.0000, 0.0000,  
0.0000

■ 196.5570, 28.8124,  
-1.3655

■ 221.6640, 16.4346,

2.0487

247.6570, 3.6201,  
5.5628

40.8450, 41.9814,  
-25.2971

40.8450, 41.9814,  
-25.2971

31.9740, 46.3548,  
-28.0412

50.6020, 37.1712,  
-22.4530

59.4730, 32.7978,  
-19.7088

69.2300, 27.9876,  
-16.8647

78.1010, 23.6142,  
-14.1206

87.8580, 18.8040,  
-11.2765

■ 97.6150, 13.9938,  
-8.4324

■ 106.4860, 9.6204,  
-5.6882

■ 116.2430, 4.8102,  
-2.8441

■ 125.7010, 0.1474,  
-0.6148

# Harmonies

## Analogous

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



48.3760, 43.1986, -42.4258



40.8450, 41.9814, -25.2971



38.6370, 27.7870, 47.6764

# Triad

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



40.8450, 41.9814, -25.2971



41.9060, -20.6597, 46.5634



42.5840, 0.6981, -37.3462

# Complementary

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



40.8450, 41.9814, -25.2971



97.1550, -41.9814, 25.2971

# 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.



36.3940, -17.9422, -31.9175



40.8450, 41.9814, -25.2971



46.1380, -22.7460, 15.6650

# Square

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



40.8450, 41.9814, -25.2971



35.6390, -12.1470, 69.5996



39.1400, -19.2960, -17.6628



48.0730, 19.1910, -42.1600



# Rectangle

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



40.8450, 41.9814, -25.2971



41.2400, 13.1927, 62.0565



39.1400, -19.2960, -17.6628



40.2870, -5.5645, -35.3317

# Sweetspot

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



40.8450, 41.9814, -25.2971



130.4730, 16.0358, -10.0618



88.7220, 4.5741, -67.2852



62.1870, 9.7678, -6.3030



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.



40.8450, 41.9814, -25.2971



41.4750, 59.9118, -36.3736



33.6670, 45.5202, 6.4310



58.9720, 2.4788, -1.7294



32.2020, 47.2284, -28.2412



0.0000, 0.0000, 0.0000



# Inverse Universe

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



49.1640, -5.0109, 67.3852



53.1830, -6.9922, 96.3095



104.6320, -45.6676, -5.8163



59.3210, -0.1583, 4.1035



41.6920, -5.7642, 75.6921

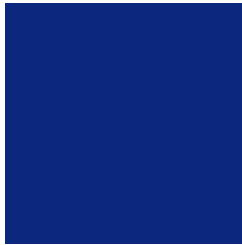


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 40.8450, 41.9814, -25.2971 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 40.8450, 41.9814, -25.2971 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

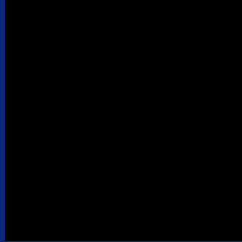
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 40.8450, 41.9814, -25.2971

## Background



This preview shows how black text looks on a background with the YUV color 40.8450, 41.9814, -25.2971.



This preview shows how white text looks on a background with the YUV color 40.8450, 41.9814,



# 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

40.8450, 41.9814, -25.2971

### Protanopia

39.5760, 29.7890, -34.7082

### Deuteranopia

39.7410, 22.8057, -34.8529



## Tritanopia

38.8970, 9.4178, -34.1127

# Trichromacy



## Original Color

40.8450, 41.9814, -25.2971

## Protanomaly

40.0370, 33.9988, -31.6044

## Deuteranomaly

40.2990, 29.9256, -31.8342

## Tritanomaly

39.4210, 21.4844, -31.0642

# Monochromacy



## Original Color

40.8450, 41.9814, -25.2971

## Achromatopsia

41.0000, 0.0000, 0.0000

## Achromatomaly

40.6580, 15.4516, -9.3471

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.8450, 41.9814, -25.2971 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(12, 39, 126)` looks like.

```
.text, #text, p{  
    color:rgb(12, 39, 126)  
}
```

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(12, 39, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 39, 126) }
```

## Border

The CSS property to change the border of an element to YUV 40.8450, 41.9814, -25.2971 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(12, 39, 126) }
```



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

```
.border{ border-color:rgb(12, 39, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 39, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 39, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 39, 126);  
box-shadow:4px 4px 4px 4px rgb(12, 39,  
126) }
```

# Background

The CSS property to change the background color of an element to YUV 40.8450, 41.9814, -25.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 39, 126) }
```

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

```
.background{ background-color: rgb(12, 39,  
126) }
```

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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