

# Converting Colors

YUV(41.8040, 13.9006,  
-25.2611)

Have a look what the booklet for  
YUV(41.8040, 13.9006, -25.2611)  
contains.

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# Color

**YUV(41.8040, 13.9006,  
-25.2611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0D3346
RGB	13, 51, 70
RGB Percent	5%, 20%, 27%
CMY	0.9490, 0.8000, 0.7255
CMYK	0.81, 0.27, 0.00, 0.73
HSL	200°, 69%, 16%
HSV	200°, 81%, 27%
XYZ	2.4553, 2.8954, 6.2238
YIQ	41.8040, -28.7470, -2.1470

# Conversions

## Conversions Part 2

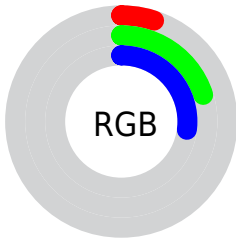
Format	Color
<b>RYB</b>	13, 36, 70
Decimal	865094
CIELab	19.62, -5.73, -15.63
CIELCh	20, 16.645, 249.868
Yxy	2.8954, 0.2121, 0.2502
Android (android.graphics.Color)	4279055174 (0xFF0D3346)
YUV	41.8040, 13.9006, -25.2611
Hunter-Lab	17.0159, -4.0214, -9.7750

# Details

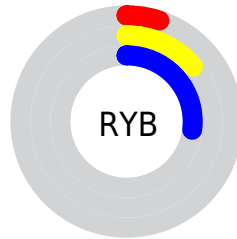
The YUV color **41.8040, 13.9006, -25.2611** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **41.1960, -13.9006, 25.2611**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **89.8260, 13.8898, -21.7724**, and **3.6650, 11.5042, -3.2142** is the 20% darker color. If you saturate the color by 10%, you get **38.5370, 15.5113, -28.5349**, and if you desaturate by 10%, it is **45.0710, 12.2900, -21.9873**.

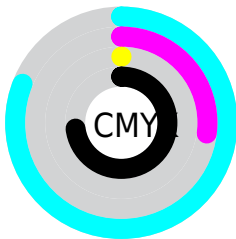
# Distribution



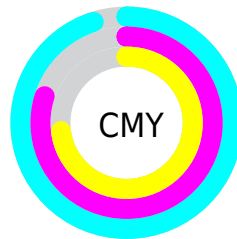
- Red (5%)
- Green (20%)
- Blue (27%)



- Red (5%)
- Yellow (14%)
- Blue (27%)



- Cyan (81%)
- Magenta (27%)
- Yellow (0%)
- Black (73%)



- Cyan (95%)
- Magenta (80%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 41.8040, 13.9006, -25.2611 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 41.8040, 13.9006, -25.2611 by changing the saturation by 10% instead.



■ 41.8040, 13.9006,  
-25.2611

■ 41.8040, 13.9006,  
-25.2611

■ 254.7010, 0.1474,  
-0.6148

■ 23.0820, 12.2846,  
-20.2429

■ 89.8260, 13.8898,  
-21.7724

■ 3.6650, 11.5042,  
-3.2142

■ 114.9400, 14.3266,  
-21.8724

■ 0.0000, 0.0000,  
0.0000

■ 140.7550, 14.9108,  
-22.5871

■ 166.8690, 15.3476,  
-22.6871

■ 194.8690, 15.3476,  
-22.6871

■ 222.6840, 15.9318,

-23.4019

■ 246.0300, 4.4222,  
-18.4433

■ 41.8040, 13.9006,  
-25.2611

■ 41.8040, 13.9006,  
-25.2611

■ 38.5370, 15.5113,  
-28.5349

■ 45.0710, 12.2900,  
-21.9873

■ 35.5690, 16.9745,  
-31.1940

■ 48.9250, 10.3900,  
-19.2282

■ 52.1920, 8.7793,  
-15.9544

■ 55.4590, 7.1687,  
-12.6805

■ 59.3130, 5.2687,  
-9.9215

■ 62.5800, 3.6581,  
-6.6477

■ 65.8470, 2.0474,  
-3.3738

■ 69.7010, 0.1474,  
-0.6148

■ 72.9680, -1.4632,  
2.6591

# Harmonies

## Analogous

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



38.2930, 12.1806, -33.5830



41.8040, 13.9006, -25.2611



46.4470, 12.1046, -9.1620

# Triad

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



41.8040, 13.9006, -25.2611



48.5510, -2.2436, 19.6878



44.4910, -8.1301, -5.6926

# Complementary

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



41.8040, 13.9006, -25.2611



41.1960, -13.9006, 25.2611

# 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.



46.0470, -11.3622, 4.3438



41.8040, 13.9006, -25.2611



47.8730, -7.3324, 18.5284

# Square

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



41.8040, 13.9006, -25.2611



49.0110, 3.4456, 14.8994



47.2160, -10.9525, 12.9656



42.4340, -1.6930, -17.0436



# Rectangle

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



41.8040, 13.9006, -25.2611



48.3450, 10.1829, 0.5744



47.2160, -10.9525, 12.9656



45.1710, -9.4513, -1.9040

# Sweetspot

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



41.8040, 13.9006, -25.2611



80.7260, 5.5581, -9.4067



48.6250, -8.1961, -31.2431



39.1780, 3.3632, -5.4181



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



41.8040, 13.9006, -25.2611



47.4800, 21.9484, -39.8860



25.3680, 22.0036, -10.8467



34.2170, 0.8790, -1.9443



50.0280, 24.1432, -43.8746



114.5150, 55.4551, -100.4297



# Inverse Universe

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



34.3750, 8.1961, 31.2431



35.7500, 12.9413, 49.3312



58.2190, -22.2930, 10.3319



33.5380, 0.7208, 2.1592



37.1250, 14.2354, 54.2644

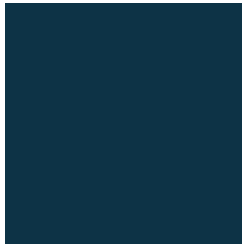


85.0870, 32.4951, 124.4577



# Previews

## White Background



This preview shows how the YUV color 41.8040, 13.9006, -25.2611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

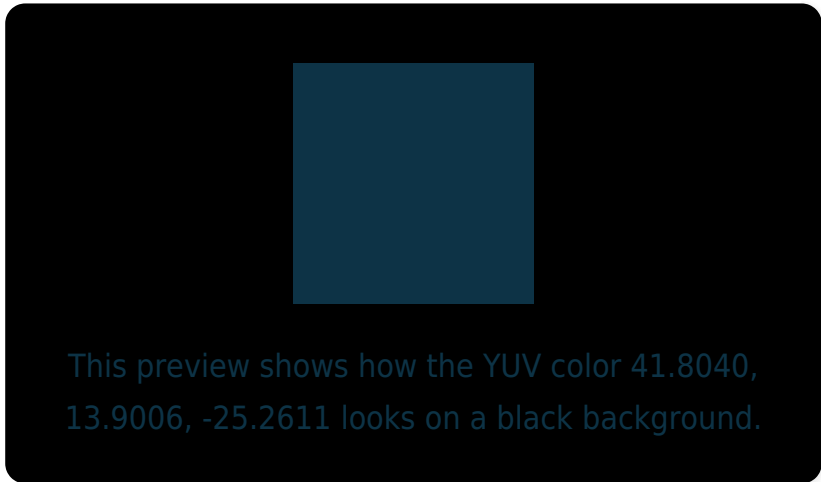
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

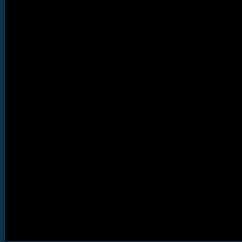
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 41.8040, 13.9006, -25.2611

## Background



This preview shows how black text looks on a background with the YUV color 41.8040, 13.9006, -25.2611.



This preview shows how white text looks on a background with the YUV color 41.8040, 13.9006,

-25.2611.

# 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

41.8040, 13.9006, -25.2611

### Protanopia

47.7850, 9.4730, -5.0734

### Deuteranopia

46.7460, 11.9572, -8.5472



## Tritanopia

37.6090, 9.5598, -32.9831

# Trichromacy



## Original Color

41.8040, 13.9006, -25.2611

## Protanomaly

45.1970, 11.2419, -12.4508

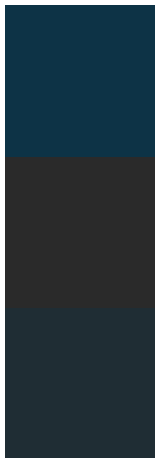
## Deuteranomaly

44.6420, 12.9945, -14.5950

## Tritanomaly

39.0870, 11.2961, -29.8943

# Monochromacy



## Original Color

41.8040, 13.9006, -25.2611

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

41.6120, 5.1213, -9.3067

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 41.8040, 13.9006, -25.2611 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(13, 51, 70)` looks like.

```
.text, #text, p{  
    color:rgb(13, 51, 70)  
}
```

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(13, 51, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 51, 70) }
```

## Border

The CSS property to change the border of an element to YUV 41.8040, 13.9006, -25.2611 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(13, 51, 70) }
```



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

```
.border{ border-color:rgb(13, 51, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 51, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 51, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 51, 70);  
box-shadow:4px 4px 4px 4px rgb(13, 51, 70)  
}
```

# Background

The CSS property to change the background color of an element to YUV 41.8040, 13.9006, -25.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 51, 70) }
```

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

```
.background{ background-color: rgb(13, 51,  
70) }
```

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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