

# Converting Colors

YUV(40.8030, 25.7331, 6.3118)

Have a look what the booklet for  
YUV(40.8030, 25.7331, 6.3118)  
contains.

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# Color

**YUV(40.8030, 25.7331,  
6.3118)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	301B5D
RGB	48, 27, 93
RGB Percent	19%, 11%, 36%
CMY	0.8118, 0.8941, 0.6353
CMYK	0.48, 0.71, 0.00, 0.64
HSL	259°, 55%, 24%
HSV	259°, 71%, 36%
XYZ	3.5866, 2.2026, 10.5920
YIQ	40.8030, -8.6700, 24.9780

# Conversions

## Conversions Part 2

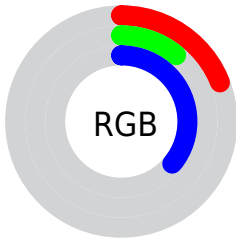
Format	Color
<b>RYB</b>	48, 27, 93
Decimal	3152733
CIELab	16.52, 27.55, -35.92
CIElCh	17, 45.269, 307.489
Yxy	2.2026, 0.2189, 0.1345
Android (android.graphics.Color)	4281342813 (0xFF301B5D)
YUV	40.8030, 25.7331, 6.3118
Hunter-Lab	14.8410, 17.1665, -31.9265

# Details

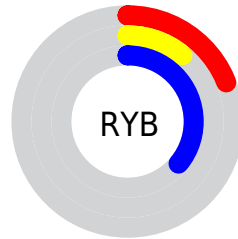
The YUV color **40.8030, 25.7331, 6.3118** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **79.1970, -25.7331, -6.3118**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.2810, 27.4695, 9.4006**, and **5.2440, 20.0927, -4.5990** is the 20% darker color. If you saturate the color by 10%, you get **33.7260, 29.2221, 7.2563**, and if you desaturate by 10%, it is **47.8800, 22.2442, 5.3672**.

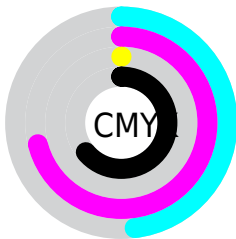
# Distribution



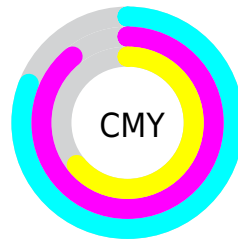
- Red (19%)
- Green (11%)
- Blue (36%)



- Red (19%)
- Yellow (11%)
- Blue (36%)



- Cyan (48%)
- Magenta (71%)
- Yellow (0%)
- Black (64%)



- Cyan (81%)
- Magenta (89%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.8030, 25.7331, 6.3118 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 40.8030, 25.7331, 6.3118 by changing the saturation by 10% instead.



■ 40.8030, 25.7331,  
6.3118

■ 40.8030, 25.7331,  
6.3118

■ 255.0000, 0.0000,  
0.0000

■ 17.3790, 25.4492,  
4.0526

■ 88.2810, 27.4695,  
9.4006

■ 5.2440, 20.0927,  
-4.5990

■ 113.2210, 28.4850,  
10.3302

■ 3.3230, 10.1938,  
-2.9143

■ 138.7480, 29.2112,  
10.7450

■ 0.0000, 0.0000,  
0.0000

■ 165.6880, 30.2268,  
11.6746

■ 193.1010, 30.5162,  
12.1894

■ 217.6210, 18.4278,

16.1184

240.3250, 7.2348,  
12.8700

40.8030, 25.7331,  
6.3118

40.8030, 25.7331,  
6.3118

33.7260, 29.2221,  
7.2563

47.8800, 22.2442,  
5.3672

25.7630, 33.1478,  
8.1008

55.8430, 18.3184,  
4.5227

19.5720, 36.2000,  
9.1454

62.9200, 14.8294,  
3.5782

69.9970, 11.3405,  
2.6336

77.9600, 7.4147,  
1.7891

■ 85.0370, 3.9258,  
0.8446

■ 92.1140, 0.4368,  
-0.1000

■ 99.4900, -3.1996,  
-0.4297

■ 107.1540, -6.9779,  
-1.8891

# Harmonies

## Analogous

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



37.3250, 33.8568, -32.7340



40.8030, 25.7331, 6.3118



32.6400, 16.4465, 45.0427

# Triad

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



40.8030, 25.7331, 6.3118



38.2520, -18.8582, 28.7200



37.1700, 5.3392, -32.5981

# Complementary

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



40.8030, 25.7331, 6.3118



79.1970, -25.7331, -6.3118

# 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.



32.0060, -9.3700, -28.0693



40.8030, 25.7331, 6.3118



38.1090, -18.7877, 6.0434

# Square

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



40.8030, 25.7331, 6.3118



28.9590, -14.2768, 52.6560



29.9590, -14.7698, -22.7660



40.8180, 19.3167, -35.7974



# Rectangle

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



40.8030, 25.7331, 6.3118



32.9370, 5.9471, 52.6753



29.9590, -14.7698, -22.7660



35.3290, 0.8238, -30.9835

# Sweetspot

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



40.8030, 25.7331, 6.3118



100.2420, 9.7407, 2.4188



60.9390, 15.8061, -29.7645



49.2050, 5.8149, 1.5742



189.0000, 0.0000, 0.0000



61.0000, 0.0000, 0.0000



# Same Dimension

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



40.8030, 25.7331, 6.3118



39.1960, 39.8364, 9.4751



50.6700, 20.8687, 26.5994



42.1680, 1.8892, 0.7297



23.0050, 42.8885, 10.5196



49.4430, 92.4656, 22.4135



# Inverse Universe

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



51.8640, 9.9270, 36.0763



56.3640, 15.1035, 55.8088



69.3300, -20.8687, -26.5994



42.8370, 0.5734, 2.7740



41.4400, 16.5451, 60.1271

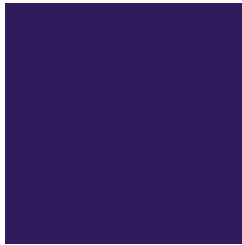


89.3310, 35.8258, 129.5057



# Previews

## White Background



This preview shows how the YUV color 40.8030, 25.7331, 6.3118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

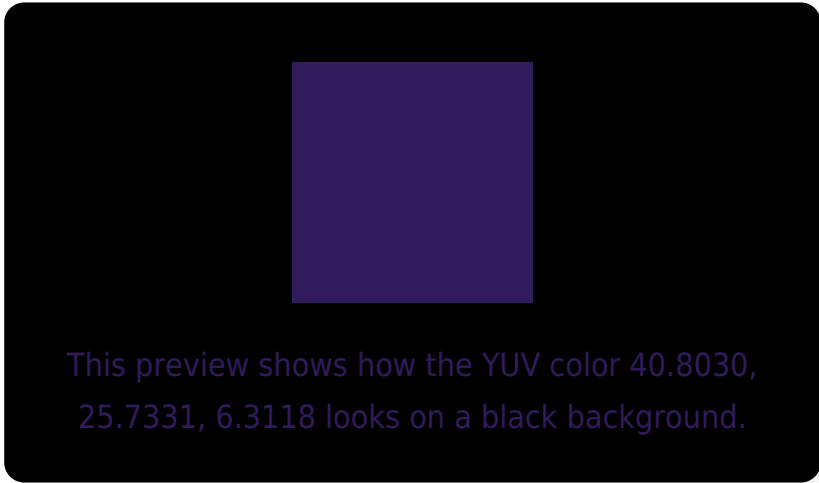
Any Text WCAG AA ✓ Pass

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

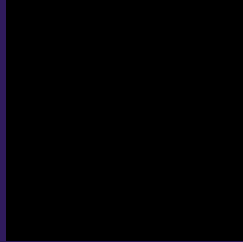
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 40.8030, 25.7331, 6.3118

## Background



This preview shows how black text looks on a background with the YUV color 40.8030, 25.7331, 6.3118.



This preview shows how white text looks on a background with the YUV color 40.8030, 25.7331,



# 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

40.8030, 25.7331, 6.3118

### Protanopia

33.1700, 25.5522, -29.0901

### Deuteranopia

33.5630, 19.4424, -29.4348



## Tritanopia

40.9500, 2.4896, -5.2182

# Trichromacy



## Original Color

40.8030, 25.7331, 6.3118

## Protanomaly

35.6600, 25.8036, -16.3648

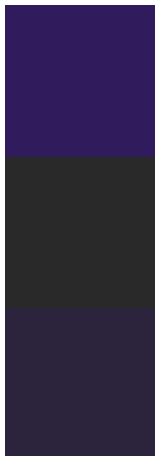
## Deuteranomaly

35.9220, 21.7305, -16.5946

## Tritanomaly

40.8610, 10.9145, -0.7551

# Monochromacy



## Original Color

40.8030, 25.7331, 6.3118

## Achromatopsia

41.0000, 0.0000, 0.0000

## Achromatomaly

41.1280, 9.3039, 2.5187

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.8030, 25.7331, 6.3118 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(48, 27, 93)` looks like.

```
.text, #text, p{  
    color:rgb(48, 27, 93)  
}
```

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(48, 27, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 27, 93) }
```

## Border

The CSS property to change the border of an element to YUV 40.8030, 25.7331, 6.3118 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(48, 27, 93) }
```



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

```
.border{ border-color:rgb(48, 27, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 27, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 27, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 27, 93);  
box-shadow:4px 4px 4px 4px rgb(48, 27, 93)  
}
```

# Background

The CSS property to change the background color of an element to YUV 40.8030, 25.7331, 6.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 27, 93) }
```

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

```
.background{ background-color: rgb(48, 27,  
93) }
```

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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