

# Converting Colors

YUV(37.3480, -17.9196, 7.5878)

Have a look what the booklet for  
YUV(37.3480, -17.9196, 7.5878)  
contains.

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# Color

**YUV(37.3480, -17.9196,  
7.5878)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E2801
RGB	46, 40, 1
RGB Percent	18%, 16%, 0%
CMY	0.8196, 0.8431, 0.9961
CMYK	0.00, 0.13, 0.98, 0.82
HSL	52°, 96%, 9%
HSV	52°, 98%, 18%
XYZ	1.8910, 2.1006, 0.3345
YIQ	37.3480, 16.0950, -10.8570

# Conversions

## Conversions Part 2

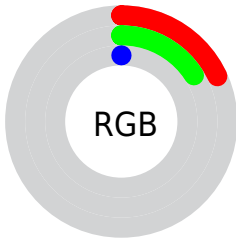
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">8, 46, 1</a>
Decimal	<a href="#">3024897</a>
CIELab	<a href="#">16.01, -2.48, 22.81</a>
CIELCh	<a href="#">16, 22.947, 96.195</a>
Yxy	<a href="#">2.1006, 0.4371, 0.4856</a>
Android (android.graphics.Color)	<a href="#">4281214977 (0xFF2E2801)</a>
YUV	<a href="#">37.3480, -17.9196, 7.5878</a>
Hunter-Lab	<a href="#">14.4935, -2.0745, 8.7770</a>

# Details

The YUV color **37.3480, -17.9196, 7.5878** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9.6520, 17.9196, -7.5878**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.1740, -17.3408, 8.6174**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **37.2340, -18.3564, 7.6878**, and if you desaturate by 10%, it is **38.5050, -16.0250, 6.5731**.

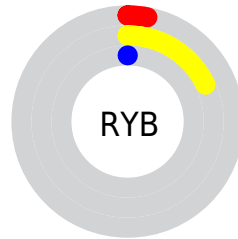
# Distribution



Red (18%)

Green (16%)

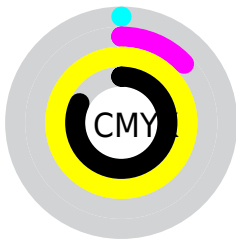
Blue (0%)



Red (3%)

Yellow (18%)

Blue (0%)

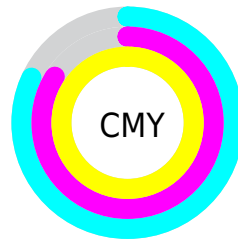


Cyan (0%)

Magenta (13%)

Yellow (98%)

Black (82%)



Cyan (82%)

Magenta (84%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.3480, -17.9196, 7.5878 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 37.3480, -17.9196, 7.5878 by changing the saturation by 10% instead.



■ 37.3480, -17.9196,  
7.5878

■ 37.3480, -17.9196,  
7.5878

■ 251.9220,  
-11.7935, 2.6994

■ 18.6170, -9.1782,  
3.8439

■ 83.1740, -17.3408,  
8.6174

■ 0.0000, 0.0000,  
0.0000

■ 107.3590,  
-17.9250, 9.3322


■ 132.5440,  
-18.5092, 10.0469


■ 158.6150,  
-19.5302, 10.8616


■ 185.8000,  
-20.1144, 11.5764


■ 213.6860,


-20.5512, 11.6764


 241.5720,  
-20.9880, 11.7764


 37.3480, -17.9196,  
7.5878


 37.3480, -17.9196,  
7.5878


 37.2340, -18.3564,  
7.6878

 38.5050, -16.0250,  
6.5731

 38.9610, -14.2778,  
6.1732

 40.1180, -12.3832,  
5.1585

 40.5740, -10.6360,  
4.7586

 41.7310, -8.7414,  
3.7439

■ 42.8880, -6.8468,  
2.7292

■ 43.3440, -5.0996,  
2.3293

■ 44.5010, -3.2050,  
1.3146

■ 45.5440, -1.7472,  
0.3999

# Harmonies

## Analogous

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



38.2830, -15.9155, 18.1688



37.3480, -17.9196, 7.5878



35.7530, -12.2032, -5.9224

# Triad

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



37.3480, -17.9196, 7.5878



34.3150, 12.1697, -30.0943



41.0160, 5.9081, 18.4030

# Complementary

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



37.3480, -17.9196, 7.5878



9.6520, 17.9196, -7.5878

# 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.



40.9370, 12.3561, 3.5633



37.3480, -17.9196, 7.5878



34.2810, 17.1165, -30.0644

# Square

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



37.3480, -17.9196, 7.5878



33.0780, 4.8915, -29.0094



35.2760, 18.1049, -20.4131



39.5240, -1.2443, 25.8505



# Rectangle

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



37.3480, -17.9196, 7.5878



33.2830, -6.0555, -17.7882



35.2760, 18.1049, -20.4131



41.5640, 8.1029, 14.4144

# Sweetspot

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



37.3480, -17.9196, 7.5878



55.3010, -6.5574, 3.2440



15.1390, -4.0125, 27.0651



28.5720, -4.2260, 2.1294



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000



# Same Dimension

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



37.3480, -17.9196, 7.5878



47.5780, -23.4560, 10.0171



35.7870, -17.1500, -5.9522



22.7720, -0.8736, 0.2000



70.0380, -34.5287, 14.8757



173.1680, -85.3718, 35.8097



# Inverse Universe

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



9.6520, 17.9196, -7.5878



11.4220, 23.4560, -10.0171



10.9140, 17.2974, 5.3374



21.2280, 0.8736, -0.2000



16.9620, 34.5287, -14.8757

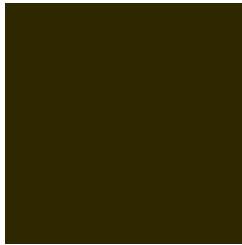


41.4190, 85.0824, -36.3245



# Previews

## White Background



This preview shows how the YUV color 37.3480, -17.9196, 7.5878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

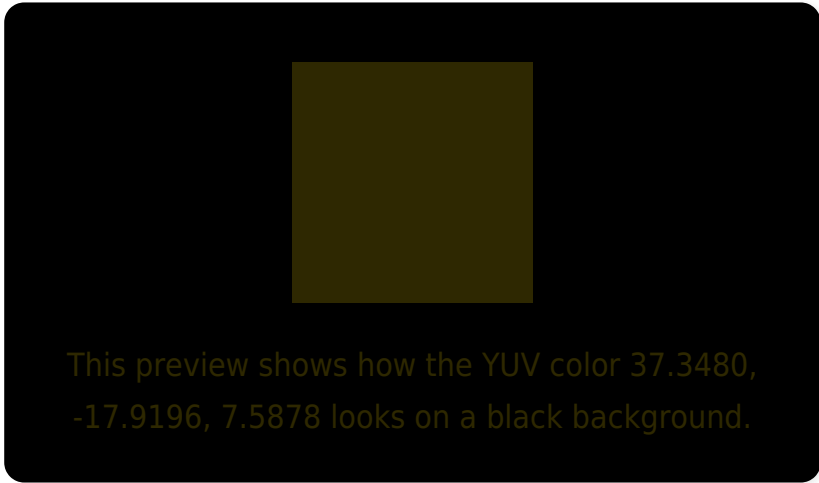
Any Text WCAG AA ✓ Pass

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

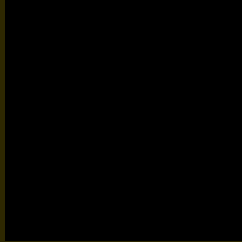
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 37.3480, -17.9196, 7.5878**

## **Background**



This preview shows how black text looks on a background with the YUV color 37.3480, -17.9196, 7.5878.



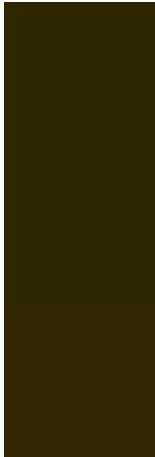
This preview shows how white text looks on a background with the YUV color 37.3480, -17.9196,



# 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

37.3480, -17.9196, 7.5878

### Protanopia

37.0490, -17.7722, 6.9730

### Deuteranopia

38.1250, -16.3306, 11.2914



## Tritanopia

40.6310, -0.3111, 6.4626

# Trichromacy



## Original Color

37.3480, -17.9196, 7.5878

## Protanomaly

37.0490, -17.7722, 6.9730

## Deuteranomaly

38.0000, -16.7620, 9.6470

## Tritanomaly

39.3230, -6.5682, 6.7327

# Monochromacy



## Original Color

37.3480, -17.9196, 7.5878

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.0020, -6.4100, 2.6292

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.3480, -17.9196, 7.5878 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(46, 40, 1)` looks like.

```
.text, #text, p{  
    color:rgb(46, 40, 1)  
}
```

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(46, 40, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 40, 1) }
```

## Border

The CSS property to change the border of an element to YUV 37.3480, -17.9196, 7.5878 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(46, 40, 1) }
```



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

```
.border{ border-color:rgb(46, 40, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 40, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 40, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 40, 1); box-shadow:4px  
4px 4px 4px rgb(46, 40, 1) }
```

# Background

The CSS property to change the background color of an element to YUV 37.3480, -17.9196, 7.5878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 40, 1) }
```

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

```
.background{ background-color: rgb(46, 40,  
1) }
```

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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