

# Converting Colors

YUV(41.5800, -13.1039, 2.9993)

Have a look what the booklet for  
YUV(41.5800, -13.1039, 2.9993)  
contains.

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# Color

**YUV(41.5800, -13.1039,  
2.9993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D2D0F
RGB	45, 45, 15
RGB Percent	18%, 18%, 6%
CMY	0.8235, 0.8235, 0.9412
CMYK	0.00, 0.00, 0.67, 0.82
HSL	60°, 50%, 12%
HSV	60°, 67%, 18%
XYZ	2.1068, 2.4692, 0.8175
YIQ	41.5800, 9.6300, -9.3300

# Conversions

## Conversions Part 2

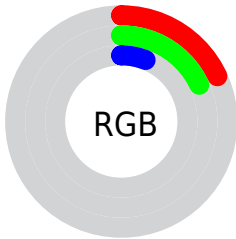
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	15, 45, 15
Decimal	2960655
CIE <sub>Lab</sub>	17.78, -5.14, 18.96
CIE <sub>LCh</sub>	18, 19.645, 105.179
Yxy	2.4692, 0.3906, 0.4578
Android (android.graphics.Color)	4281150735 (0xFF2D2D0F)
YUV	41.5800, -13.1039, 2.9993
Hunter-Lab	15.7135, -3.5662, 7.9149

# Details

The YUV color **41.5800, -13.1039, 2.9993** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18.4200, 13.1039, -2.9993**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.9500, -14.2723, 4.4289**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **41.0100, -15.2879, 3.4992**, and if you desaturate by 10%, it is **42.0360, -11.3567, 2.5994**.

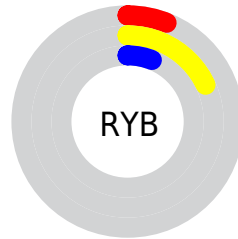
# Distribution



Red (18%)

Green (18%)

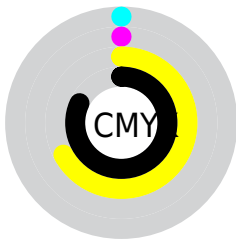
Blue (6%)



Red (6%)

Yellow (18%)

Blue (6%)

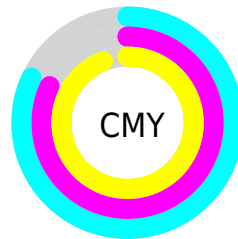


Cyan (0%)

Magenta (0%)

Yellow (67%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 41.5800, -13.1039, 2.9993 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 41.5800, -13.1039, 2.9993 by changing the saturation by 10% instead.



■ 41.5800, -13.1039,  
2.9993

■ 41.5800, -13.1039,  
2.9993

■ 253.2900, -6.5520,  
1.4997

■ 21.8510, -10.7725,  
1.8847

■ 86.9500, -14.2723,  
4.4289

■ 0.0000, 0.0000,  
0.0000

■ 111.7220,  
-15.1459, 4.6288


■ 137.0210,  
-15.2934, 5.2436


■ 163.4940,  
-16.0195, 4.8288


■ 190.6790,  
-16.6037, 5.5435


■ 218.5650,


-17.0405, 5.6435


 246.8640,  
-17.1880, 6.2583


 41.5800, -13.1039,  
2.9993


 41.5800, -13.1039,  
2.9993


 41.0100, -15.2879,  
3.4992


 42.0360, -11.3567,  
2.5994


 40.5540, -17.0351,  
3.8991


 42.6060, -9.1728,  
2.0995

 39.9840, -19.2191,  
4.3990

 43.1760, -6.9888,  
1.5996

 39.8700, -19.6559,  
4.4990

 43.6320, -5.2416,  
1.1997

 44.2020, -3.0576,  
0.6998

■ 44.6580, -1.3104,  
0.2999

■ 45.2280, 0.8736,  
-0.2000

■ 45.6840, 2.6208,  
-0.5999

■ 46.2540, 4.8048,  
-1.0998

# Harmonies

## Analogous

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



42.6460, -13.1365, 13.4655



41.5800, -13.1039, 2.9993



39.4690, -8.1192, -9.1813

# Triad

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



41.5800, -13.1039, 2.9993



36.5320, 13.0487, -32.0386



44.9190, 2.9979, 18.4880

# Complementary

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



41.5800, -13.1039, 2.9993



18.4200, 13.1039, -2.9993

# 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.



45.1610, 9.2876, 7.7518



41.5800, -13.1039, 2.9993



35.6830, 17.4113, -31.2940

# Square

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



41.5800, -13.1039, 2.9993



35.6370, 7.0810, -31.2536



43.2020, 13.7044, -8.9472



43.9320, -3.4175, 22.8616



# Rectangle

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



41.5800, -13.1039, 2.9993



37.3690, -3.1399, -19.6176



43.2020, 13.7044, -8.9472



45.1790, 5.3348, 15.6290

# Sweetspot

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



41.5800, -13.1039, 2.9993



57.6320, -5.2416, 1.1997



23.9700, -4.4222, 18.4433



30.0880, -3.4944, 0.7998



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.



41.5800, -13.1039, 2.9993



53.6420, -20.5295, 4.6990



37.0950, -10.8928, -6.2223



22.7720, -0.8736, 0.2000



77.0820, -38.0014, 8.6981



189.6040, -93.4748, 21.3953



# Inverse Universe

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



18.4200, 13.1039, -2.9993



17.3580, 20.5295, -4.6990



22.9050, 10.8928, 6.2223



21.2280, 0.8736, -0.2000



9.9180, 38.0014, -8.6981



24.3960, 93.4748, -21.3953



# Previews

## White Background



This preview shows how the YUV color 41.5800, -13.1039, 2.9993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

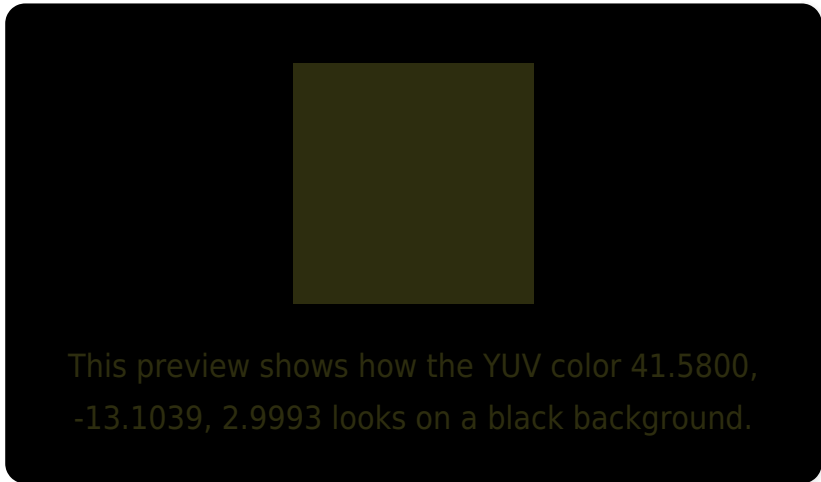
Any Text WCAG AA ✓ Pass

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

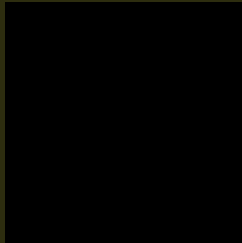
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 41.5800, -13.1039, 2.9993**

## **Background**



This preview shows how black text looks on a background with the YUV color 41.5800, -13.1039, 2.9993.



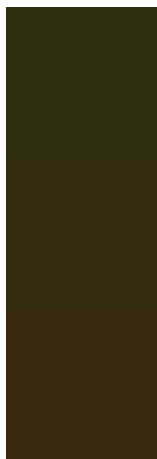
This preview shows how white text looks on a background with the YUV color 41.5800, -13.1039,



# 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

41.5800, -13.1039, 2.9993

### Protanopia

42.1890, -13.4042, 5.9732

### Deuteranopia

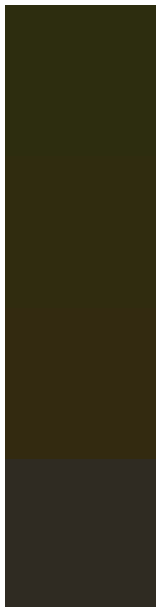
42.0370, -12.8362, 10.4916



## Tritanopia

44.1360, 0.4260, 3.3887

# Trichromacy



## Original Color

41.5800, -13.1039, 2.9993

## Protanomaly

41.8900, -13.2568, 5.3585

## Deuteranomaly

41.7270, -12.6834, 8.1324

## Tritanomaly

43.1700, -4.5208, 3.3589

# Monochromacy



## Original Color

41.5800, -13.1039, 2.9993

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

41.7460, -4.8048, 1.0998

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 41.5800, -13.1039, 2.9993 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(45, 45, 15)` looks like.

```
.text, #text, p{  
    color:rgb(45, 45, 15)  
}
```

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(45, 45, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 45, 15) }
```

## Border

The CSS property to change the border of an element to YUV 41.5800, -13.1039, 2.9993 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(45, 45, 15) }
```



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

```
.border{ border-color:rgb(45, 45, 15) }
```

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

Here you see how a box with a 4 pixel rgb(45, 45, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 45, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 45, 15);  
box-shadow:4px 4px 4px 4px rgb(45, 45, 15)  
}
```

# Background

The CSS property to change the background color of an element to YUV 41.5800, -13.1039, 2.9993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 45, 15) }
```

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

```
.background{ background-color: rgb(45, 45,  
15) }
```

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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