

# Converting Colors

YUV(38.6450, -11.6570, 5.5733)

Have a look what the booklet for  
YUV(38.6450, -11.6570, 5.5733)  
contains.

<b>YUV(38.6450, -11.6570, 5.5733)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(38.6450, -11.6570,  
5.5733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D280F
RGB	45, 40, 15
RGB Percent	18%, 16%, 6%
CMY	0.8235, 0.8431, 0.9412
CMYK	0.00, 0.11, 0.67, 0.82
HSL	50°, 50%, 12%
HSV	50°, 67%, 18%
XYZ	1.9272, 2.1100, 0.7576
YIQ	38.6450, 11.0050, -6.7150

# Conversions

## Conversions Part 2

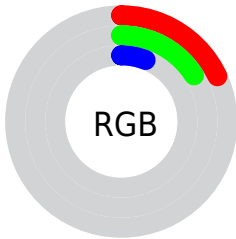
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 45, 15
Decimal	2959375
CIE Lab	16.05, -1.82, 16.84
CIE LCh	16, 16.941, 96.170
Yxy	2.1100, 0.4019, 0.4401
Android (android.graphics.Color)	4281149455 (0xFF2D280F)
YUV	38.6450, -11.6570, 5.5733
Hunter-Lab	14.5257, -1.7374, 7.0756

# Details

The YUV color **38.6450, -11.6570, 5.5733** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **21.3550, 11.6570, -5.5733**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.0150, -12.8254, 7.0028**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **37.4880, -13.5516, 6.5880**, and if you desaturate by 10%, it is **39.6880, -10.1992, 4.6586**.

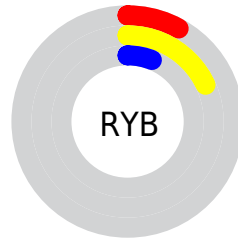
# Distribution



Red (18%)

Green (16%)

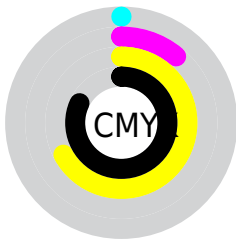
Blue (6%)



Red (8%)

Yellow (18%)

Blue (6%)

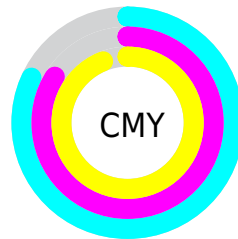


Cyan (0%)

Magenta (11%)

Yellow (67%)

Black (82%)



Cyan (82%)

Magenta (84%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 38.6450, -11.6570, 5.5733 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 38.6450, -11.6570, 5.5733 by changing the saturation by 10% instead.



■ 38.6450, -11.6570,  
5.5733

■ 38.6450, -11.6570,  
5.5733

■ 253.1760, -6.9888,  
1.5996

■ 18.9160, -9.3256,  
4.4587

■ 84.0150, -12.8254,  
7.0028

■ 0.0000, 0.0000,  
0.0000

■ 108.2000,  
-13.4096, 7.7176

■ 133.3850,  
-13.9938, 8.4324


■ 159.2710,  
-14.4306, 8.5323


■ 186.5700,  
-14.5780, 9.1471


■ 214.3420,


-15.4516, 9.3471


 243.2280,  
-15.8884, 9.4470


 38.6450, -11.6570,  
5.5733


 38.6450, -11.6570,  
5.5733


 37.4880, -13.5516,  
6.5880


 39.6880, -10.1992,  
4.6586


 37.0320, -15.2988,  
6.9879


 40.8450, -8.3046,  
3.6439

 35.8750, -17.1934,  
8.0026

 41.4150, -6.1206,  
3.1440

 35.7610, -17.6302,  
8.1026

 42.4580, -4.6628,  
2.2293

 43.6150, -2.7682,  
1.2146

■ 44.6580, -1.3104,  
0.2999

■ 45.2280, 0.8736,  
-0.2000

■ 46.2710, 2.3314,  
-1.1147

■ 47.4280, 4.2260,  
-2.1294

# Harmonies

## Analogous

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



39.6290, -10.6631, 13.4804



38.6450, -11.6570, 5.5733



37.0890, -8.4249, -4.4631

# Triad

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



38.6450, -11.6570, 5.5733



33.1580, 10.2751, -29.0796



41.5270, 4.1772, 13.5698

# Complementary

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



38.6450, -11.6570, 5.5733



21.3550, 11.6570, -5.5733

# 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.



41.0140, 8.8671, 2.6187



38.6450, -11.6570, 5.5733



32.8960, 14.3483, -28.8498

# Square

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



38.6450, -11.6570, 5.5733



31.7900, 5.0335, -27.8798



38.2510, 12.6943, -11.6211



40.7790, -1.3700, 19.4878



# Rectangle

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



38.6450, -11.6570, 5.5733



35.9570, -4.9088, -12.2403



38.2510, 12.6943, -11.6211



41.2600, 5.7878, 10.2960

# Sweetspot

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



38.6450, -11.6570, 5.5733



56.4580, -4.6628, 2.2293



24.5400, -2.2382, 17.9434



28.9140, -2.9156, 1.8294



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.



38.6450, -11.6570, 5.5733



48.9460, -18.2144, 8.8174



38.5900, -11.6299, -3.1484



22.7720, -0.8736, 0.2000



68.2770, -33.6606, 16.4201



169.0590, -83.3461, 39.4133



# Inverse Universe

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



21.3550, 11.6570, -5.5733



22.0540, 18.2144, -8.8174



21.4100, 11.6299, 3.1484



21.2280, 0.8736, -0.2000



18.1360, 33.9500, -15.9053



45.5280, 83.0567, -39.9281



# Previews

## White Background



This preview shows how the YUV color 38.6450, -11.6570, 5.5733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

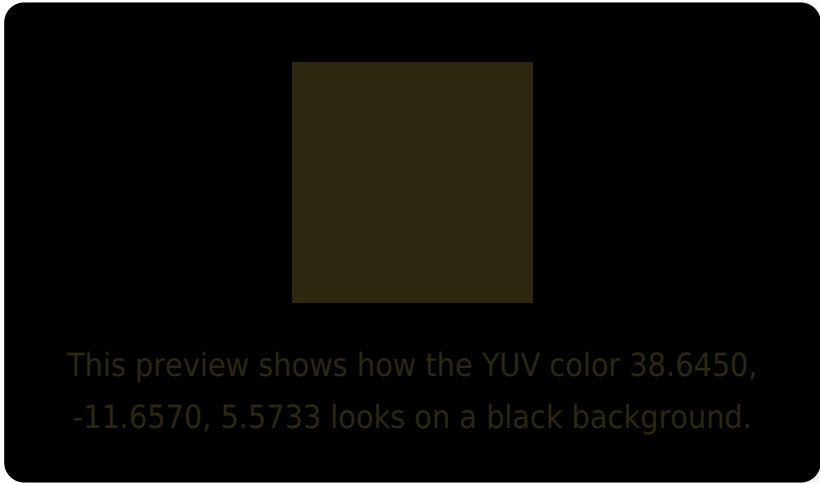
Any Text WCAG AA ✓ Pass

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

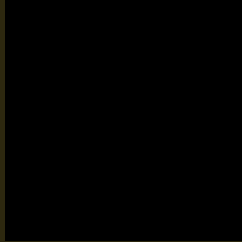
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 38.6450, -11.6570, 5.5733**

## **Background**



This preview shows how black text looks on a background with the YUV color 38.6450, -11.6570, 5.5733.



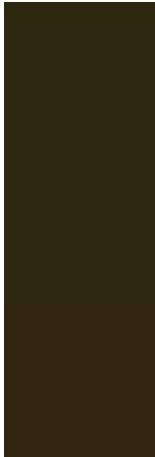
This preview shows how white text looks on a background with the YUV color 38.6450, -11.6570,



# 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

38.6450, -11.6570, 5.5733

### Protanopia

38.6450, -11.6570, 5.5733

### Deuteranopia

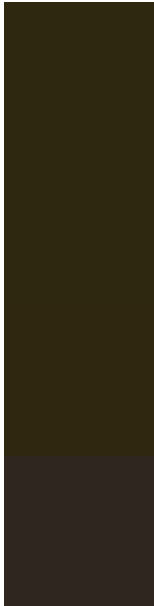
39.0800, -11.3784, 9.5768



## Tritanopia

40.3320, -0.1637, 5.8478

# Trichromacy



## Original Color

38.6450, -11.6570, 5.5733

## Protanomaly

38.6450, -11.6570, 5.5733

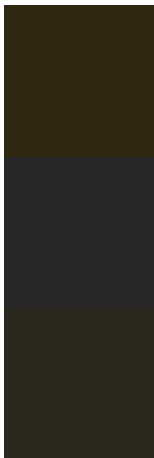
## Deuteranomaly

39.0690, -11.3730, 7.8325

## Tritanomaly

39.5940, -4.2368, 5.6181

# Monochromacy



## Original Color

38.6450, -11.6570, 5.5733

## Achromatopsia

39.0000, 0.0000, 0.0000

## Achromatomaly

38.5720, -4.2260, 2.1294

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.6450, -11.6570, 5.5733 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, 40, 15)` looks like.

```
.text, #text, p{  
    color:rgb(45, 40, 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, 40, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 40, 15) }
```

## Border

The CSS property to change the border of an element to YUV 38.6450, -11.6570, 5.5733 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, 40, 15) }
```



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

```
.border{ border-color:rgb(45, 40, 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, 40, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 40, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 40, 15);  
box-shadow:4px 4px 4px 4px rgb(45, 40, 15)  
}
```

# Background

The CSS property to change the background color of an element to YUV 38.6450, -11.6570, 5.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 40, 15) }
```

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

```
.background{ background-color: rgb(45, 40,  
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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