

# Converting Colors

YUV(38.4060, -12.5252, 4.0289)

Have a look what the booklet for  
YUV(38.4060, -12.5252, 4.0289)  
contains.

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# Color

**YUV(38.4060, -12.5252,  
4.0289)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B290D
RGB	43, 41, 13
RGB Percent	17%, 16%, 5%
CMY	0.8314, 0.8392, 0.9490
CMYK	0.00, 0.05, 0.70, 0.83
HSL	56°, 54%, 11%
HSV	56°, 70%, 17%
XYZ	1.8618, 2.1285, 0.6935
YIQ	38.4060, 10.1800, -8.2840

# Conversions

## Conversions Part 2

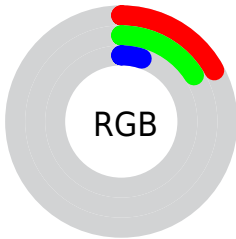
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	15, 43, 13
Decimal	2828557
CIE Lab	16.15, -3.78, 17.92
CIE LCh	16, 18.317, 101.922
Yxy	2.1285, 0.3975, 0.4544
Android (android.graphics.Color)	4281018637 (0xFF2B290D)
YUV	38.4060, -12.5252, 4.0289
Hunter-Lab	14.5895, -2.7522, 7.3944

# Details

The YUV color **38.4060, -12.5252, 4.0289** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17.5940, 12.5252, -4.0289**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.4770, -13.5462, 4.8437**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **37.9500, -14.2724, 4.4288**, and if you desaturate by 10%, it is **38.8620, -10.7780, 3.6290**.

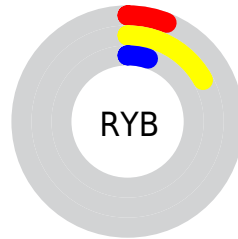
# Distribution



Red (17%)

Green (16%)

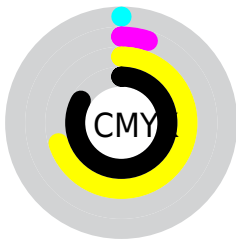
Blue (5%)



Red (6%)

Yellow (17%)

Blue (5%)

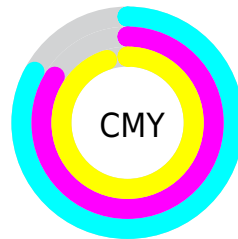


Cyan (0%)

Magenta (5%)

Yellow (70%)

Black (83%)



Cyan (83%)

Magenta (84%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 38.4060, -12.5252, 4.0289 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 38.4060, -12.5252, 4.0289 by changing the saturation by 10% instead.



■ 38.4060, -12.5252,  
4.0289

■ 38.4060, -12.5252,  
4.0289

■ 253.0620, -7.4256,  
1.6996

■ 18.6060, -9.1728,  
2.0995

■ 83.4770, -13.5462,  
4.8437

■ 0.0000, 0.0000,  
0.0000

■ 107.6620,  
-14.1304, 5.5584


■ 133.4340,  
-15.0040, 5.7584


■ 159.7330,  
-15.1514, 6.3732


■ 186.6190,  
-15.5882, 6.4731


■ 214.5050,


-16.0250, 6.5731


 242.6900,  
-16.6092, 7.2879


 38.4060, -12.5252,  
4.0289


 38.4060, -12.5252,  
4.0289


 37.9500, -14.2724,  
4.4288


 38.8620, -10.7780,  
3.6290


 36.7930, -16.1669,  
5.4435

 40.0190, -8.8834,  
2.6143

 36.3370, -17.9141,  
5.8435

 40.4750, -7.1362,  
2.2144

 40.9310, -5.3890,  
1.8145

 41.5010, -3.2050,  
1.3146

■ 42.5440, -1.7472,  
0.3999

■ 43.0000, 0.0000,  
0.0000

■ 43.4560, 1.7472,  
-0.3999

■ 44.6130, 3.6418,  
-1.4146

# Harmonies

## Analogous

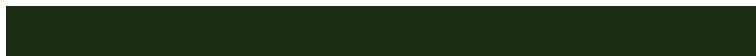
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.8740, -12.2629, 13.2655



38.4060, -12.5252, 4.0289



36.7790, -8.2720, -6.8222

# Triad

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



38.4060, -12.5252, 4.0289



33.5000, 11.5855, -29.3795



41.0220, 3.4402, 16.6437

# Complementary

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



38.4060, -12.5252, 4.0289



17.5940, 12.5252, -4.0289

# 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.



41.7370, 9.0037, 5.4927



38.4060, -12.5252, 4.0289



33.2380, 15.6587, -29.1497

# Square

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



38.4060, -12.5252, 4.0289



32.7190, 6.0545, -28.6946



39.2620, 12.6888, -9.8768



40.4480, -2.6859, 21.5321



# Rectangle

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



38.4060, -12.5252, 4.0289



35.1630, -4.0244, -15.9290



39.2620, 12.6888, -9.8768



41.8690, 5.4876, 13.2699

# Sweetspot

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



38.4060, -12.5252, 4.0289



54.0450, -4.9522, 1.7145



22.1980, -3.5486, 18.2434



27.2020, -3.0576, 0.6998



156.0000, 0.0000, 0.0000



28.0000, 0.0000, 0.0000



# Same Dimension

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



38.4060, -12.5252, 4.0289



48.8810, -19.6613, 6.2434



35.6930, -11.1876, -4.9928



19.7720, -0.8736, 0.2000



71.4890, -35.2441, 10.9721



179.6140, -88.5497, 28.4025



# Inverse Universe

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



17.5940, 12.5252, -4.0289



16.1190, 19.6613, -6.2434



20.3070, 11.1876, 4.9928



18.2280, 0.8736, -0.2000



13.0980, 34.9547, -11.4869



32.3860, 88.5497, -28.4025



# Previews

## White Background



This preview shows how the YUV color 38.4060, -12.5252, 4.0289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

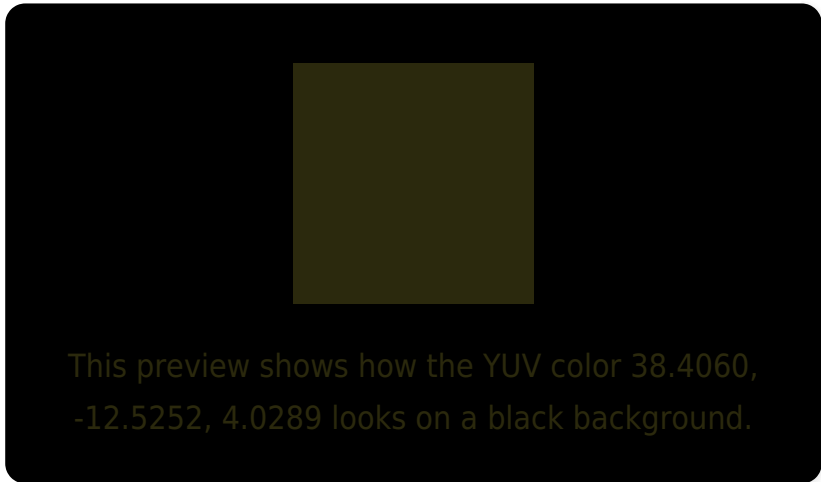
Any Text WCAG AA ✓ Pass

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

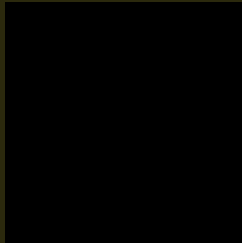
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 38.4060, -12.5252, 4.0289**

## **Background**



This preview shows how black text looks on a background with the YUV color 38.4060, -12.5252, 4.0289.



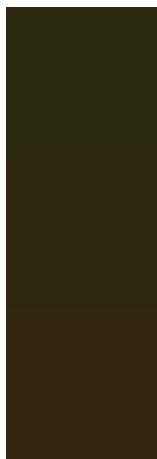
This preview shows how white text looks on a background with the YUV color 38.4060, -12.5252,



# 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

38.4060, -12.5252, 4.0289

### Protanopia

38.4170, -12.5306, 5.7733

### Deuteranopia

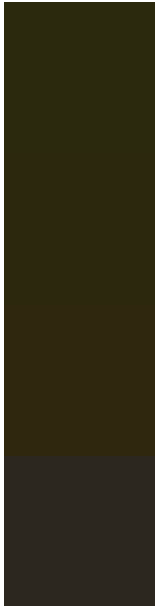
38.8520, -12.2520, 9.7768



## Tritanopia

40.4350, 0.2785, 4.0035

# Trichromacy



## Original Color

38.4060, -12.5252, 4.0289

## Protanomaly

38.1180, -12.3832, 5.1585

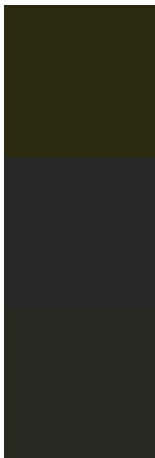
## Deuteranomaly

38.5420, -12.0992, 7.4177

## Tritanomaly

39.5830, -4.2314, 3.8737

# Monochromacy



## Original Color

38.4060, -12.5252, 4.0289

## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

38.1590, -4.5154, 1.6146

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.4060, -12.5252, 4.0289 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(43, 41, 13)` looks like.

```
.text, #text, p{  
    color:rgb(43, 41, 13)  
}
```

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(43, 41, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 41, 13) }
```

## Border

The CSS property to change the border of an element to YUV 38.4060, -12.5252, 4.0289 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(43, 41, 13) }
```



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

```
.border{ border-color:rgb(43, 41, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 41, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 41, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 41, 13);  
box-shadow:4px 4px 4px 4px rgb(43, 41, 13)  
}
```

# Background

The CSS property to change the background color of an element to YUV 38.4060, -12.5252, 4.0289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 41, 13) }
```

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

```
.background{ background-color: rgb(43, 41,  
13) }
```

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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