

# Converting Colors

YUV(38.7280, -7.7539, -33.0875)

Have a look what the booklet for  
YUV(38.7280, -7.7539, -33.0875)  
contains.

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# Color

**YUV(38.7280, -7.7539,  
-33.0875)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	013D17
RGB	1, 61, 23
RGB Percent	0%, 24%, 9%
CMY	0.9961, 0.7608, 0.9098
CMYK	0.98, 0.00, 0.62, 0.76
HSL	142°, 97%, 12%
HSV	142°, 98%, 24%
XYZ	1.8359, 3.4058, 1.3712
YIQ	38.7280, -23.5620, -24.5380

# Conversions

## Conversions Part 2

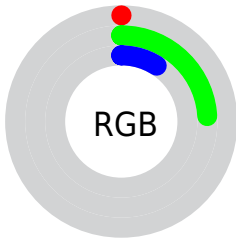
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 45, 61
Decimal	81175
CIE Lab	21.60, -27.92, 18.30
CIE LCh	22, 33.379, 146.758
Yxy	3.4058, 0.2776, 0.5150
Android (android.graphics.Color)	4278271255 (0xFF013D17)
YUV	38.7280, -7.7539, -33.0875
Hunter-Lab	18.4548, -14.5384, 8.5130

# Details

The YUV color **38.7280, -7.7539, -33.0875** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **23.2720, 7.7539, 33.0875**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.3650, -10.5329, -28.3841**, and **6.4570, -3.1833, -5.6628** is the 20% darker color. If you saturate the color by 10%, you get **38.3150, -8.0433, -33.6023**, and if you desaturate by 10%, it is **40.9780, -6.8912, -29.7987**.

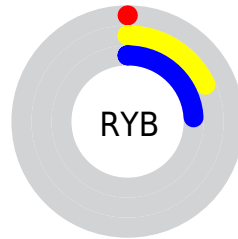
# Distribution



Red (0%)

Green (24%)

Blue (9%)



Red (0%)

Yellow (18%)

Blue (24%)

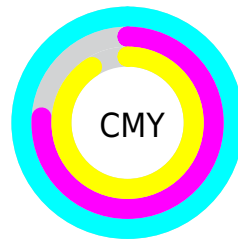


Cyan (98%)

Magenta (0%)

Yellow (62%)

Black (76%)



Cyan (100%)

Magenta (76%)


Yellow (91%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 38.7280, -7.7539, -33.0875 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 38.7280, -7.7539, -33.0875 by changing the saturation by 10% instead.





 38.7280, -7.7539,  
-33.0875


 38.7280, -7.7539,  
-33.0875

 251.3690, 0.3111,  
-6.4626


 22.8930, -11.2862,  
-20.0772


 88.3650, -10.5329,  
-28.3841


 6.4570, -3.1833,  
-5.6628

 113.8380,  
-11.2591, -28.7989

 0.0000, 0.0000,  
0.0000

 139.3110,  
-11.9853, -29.2137


 166.7840,  
-12.7115, -29.6286


 193.4850,  
-12.5641, -30.2433


 221.9580,


-13.2903, -30.6582


 239.3920, -8.0813,  
-21.3918


 38.7280, -7.7539,  
-33.0875


 38.7280, -7.7539,  
-33.0875


 38.3150, -8.0433,  
-33.6023

 40.9780, -6.8912,  
-29.7987

 43.2280, -6.0284,  
-26.5100

 45.4780, -5.1657,  
-23.2212

 47.6140, -4.7397,  
-19.8325

 50.1630, -4.0244,  
-15.9290

■ 52.4130, -3.1616,  
-12.6402

■ 54.6630, -2.2989,  
-9.3515

■ 56.9130, -1.4361,  
-6.0627

■ 59.1630, -0.5734,  
-2.7740

# Harmonies

## Analogous

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



46.0170, -22.6864, -3.5229



38.7280, -7.7539, -33.0875



42.4530, 2.7347, -37.2313

# Triad

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



38.7280, -7.7539, -33.0875



44.3860, 27.9107, -38.9265



48.9620, -8.8553, 40.3753

# Complementary

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



38.7280, -7.7539, -33.0875



23.2720, 7.7539, 33.0875

# 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.



49.7520, 3.0803, 38.8055



38.7280, -7.7539, -33.0875



51.7000, 21.8399, -4.9989

# Square

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



38.7280, -7.7539, -33.0875



46.4090, 22.9694, -40.7007



53.1720, 12.7332, 22.6512



49.5080, -20.4634, 30.2495



# Rectangle

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



38.7280, -7.7539, -33.0875



44.3910, 10.1602, -38.9309



53.1720, 12.7332, 22.6512



48.9990, -4.9295, 41.2199

# Sweetspot

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



38.7280, -7.7539, -33.0875



70.1140, -3.0142, -13.2550



47.5820, -22.9649, -7.5264



35.3750, -2.1569, -8.2219



168.0000, 0.0000, 0.0000



41.0000, 0.0000, 0.0000



# Same Dimension

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



38.7280, -7.7539, -33.0875



49.6790, -10.1947, -43.5685



42.1480, 5.3500, -36.0868



29.8750, -0.4314, -1.6444



59.1680, -11.9148, -51.8903



139.5480, -28.8642, -122.3836



# Inverse Universe

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



23.2720, 7.7539, 33.0875



29.3210, 10.1947, 43.5685



19.8520, -5.3500, 36.0868



29.0110, -0.0054, 1.7444



34.9460, 12.3516, 51.7904



82.4520, 28.8642, 122.3836



# Previews

## White Background



This preview shows how the YUV color 38.7280, -7.7539, -33.0875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

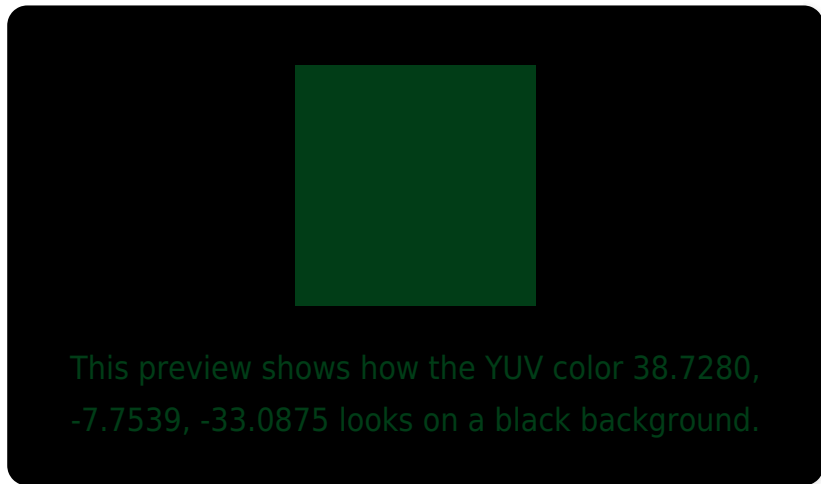
Any Text WCAG AA ✓ Pass

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

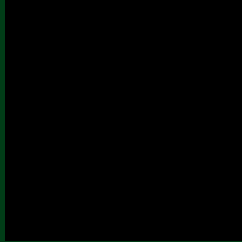
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 38.7280, -7.7539, -33.0875

## Background



This preview shows how black text looks on a background with the YUV color 38.7280, -7.7539, -33.0875.



This preview shows how white text looks on a background with the YUV color 38.7280, -7.7539, -33.0875.

-33.0875.

# 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

38.7280, -7.7539, -33.0875

### Protanopia

50.2600, -14.4252, 6.7880

### Deuteranopia

51.4500, -12.5468, 11.0064



## Tritanopia

47.7030, 7.0484, -20.7875

# Trichromacy



## Original Color

38.7280, -7.7539, -33.0875

## Protanomaly

45.8560, -11.7610, -7.7667

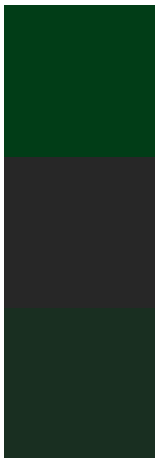
## Deuteranomaly

46.8070, -10.7509, -5.0927

## Tritanomaly

44.3020, 1.8231, -24.8209

# Monochromacy



## Original Color

38.7280, -7.7539, -33.0875

## Achromatopsia

39.0000, 0.0000, 0.0000

## Achromatomaly

38.8260, -2.8722, -12.1254

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.7280, -7.7539, -33.0875 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(1, 61, 23)` looks like.

```
.text, #text, p{  
    color:rgb(1, 61, 23)  
}
```

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(1, 61, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 61, 23) }
```

## Border

The CSS property to change the border of an element to YUV 38.7280, -7.7539, -33.0875 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(1, 61, 23) }
```



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

```
.border{ border-color:rgb(1, 61, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 61, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 61, 23); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 61, 23); box-shadow:4px  
4px 4px 4px rgb(1, 61, 23) }
```

# Background

The CSS property to change the background color of an element to YUV 38.7280, -7.7539, -33.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 61, 23) }
```

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

```
.background{ background-color: rgb(1, 61,  
23) }
```

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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