

# Converting Colors

YUV(37.2700, -16.4021,  
-12.5148)

Have a look what the booklet for  
YUV(37.2700, -16.4021, -12.5148)  
contains.

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# Color

**YUV(37.2700, -16.4021,  
-12.5148)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	173304
RGB	23, 51, 4
RGB Percent	9%, 20%, 2%
CMY	0.9098, 0.8000, 0.9843
CMYK	0.55, 0.00, 0.92, 0.80
HSL	96°, 85%, 11%
HSV	96°, 92%, 20%
XYZ	1.5591, 2.5586, 0.5265
YIQ	37.2700, -1.6010, -20.5530

# Conversions

## Conversions Part 2

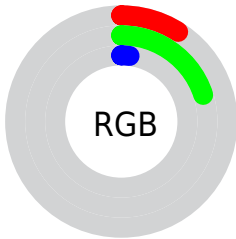
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	4, 51, 32
Decimal	1520388
CIE Lab	18.18, -20.29, 23.82
CIE LCh	18, 31.288, 130.432
Yxy	2.5586, 0.3357, 0.5509
Android (android.graphics.Color)	4279710468 (0xFF173304)
YUV	37.2700, -16.4021, -12.5148
Hunter-Lab	15.9956, -10.5938, 9.2452

# Details

The YUV color **37.2700, -16.4021, -12.5148** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17.7300, 16.4021, 12.5148**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.8570, -16.6915, -13.0296**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.2160, -17.8545, -13.3444**, and if you desaturate by 10%, it is **38.7370, -14.6603, -11.1703**.

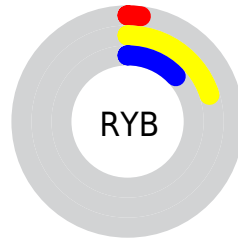
# Distribution



Red (9%)

Green (20%)

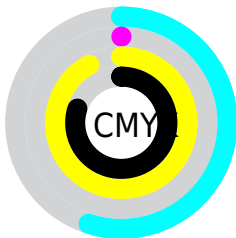
Blue (2%)



Red (2%)

Yellow (20%)

Blue (13%)

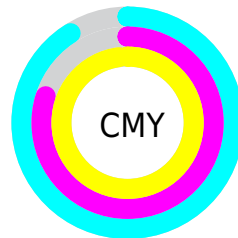


Cyan (55%)

Magenta (0%)

Yellow (92%)

Black (80%)



Cyan (91%)

Magenta (80%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.2700, -16.4021, -12.5148 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 37.2700, -16.4021, -12.5148 by changing the saturation by 10% instead.



■ 37.2700, -16.4021,  
-12.5148

■ 37.2700, -16.4021,  
-12.5148

■ 252.2640,  
-10.4832, 2.3995

■ 18.1970, -8.9711,  
-15.9588

■ 83.8570, -16.6915,  
-13.0296

■ 0.0000, 0.0000,  
0.0000

■ 108.3300,  
-17.4177, -13.4444


■ 134.1020,  
-18.2913, -13.2445


■ 159.9880,  
-18.7281, -13.1445


■ 187.4610,  
-19.4543, -13.5593


■ 215.0480,


-19.7437, -14.0741


 240.7000,  
-18.5861, -12.0149


 37.2700, -16.4021,  
-12.5148


 37.2700, -16.4021,  
-12.5148


 36.2160, -17.8545,  
-13.3444

 38.7370, -14.6603,  
-11.1703

 40.2040, -12.9186,  
-9.8259

 41.6710, -11.1768,  
-8.4815

 43.1380, -9.4350,  
-7.1370

 44.6050, -7.6933,  
-5.7926

■ 46.1860, -5.5147,  
-4.5481

■ 47.6530, -3.7729,  
-3.2037

■ 49.1200, -2.0312,  
-1.8592

■ 50.5870, -0.2894,  
-0.5148

# Harmonies

## Analogous

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



41.6530, -20.5349, 6.4433



37.2700, -16.4021, -12.5148



34.8900, -3.3968, -30.5985

# Triad

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



37.2700, -16.4021, -12.5148



39.8550, 23.2425, -34.9528



41.0740, -2.0085, 37.6461

# Complementary

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



37.2700, -16.4021, -12.5148



17.7300, 16.4021, 12.5148

# 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.



43.9510, 7.9122, 28.9840



37.2700, -16.4021, -12.5148



35.9740, 26.1418, -31.5492

# Square

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



37.2700, -16.4021, -12.5148



40.0200, 16.2591, -35.0975



45.9960, 16.2710, 7.8965



42.1800, -12.9067, 33.1681



# Rectangle

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



37.2700, -16.4021, -12.5148



37.3010, 3.3026, -32.7130



45.9960, 16.2710, 7.8965



41.6870, 1.6333, 36.2315

# Sweetspot

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



37.2700, -16.4021, -12.5148



60.6590, -6.2409, -4.9629



33.9020, -14.7417, 14.9949



29.6530, -3.7729, -3.2037



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000



# Same Dimension

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



37.2700, -16.4021, -12.5148



46.8150, -23.0798, -17.3778



32.0450, -11.8542, -24.5955



25.0600, -1.0156, -0.9296



63.0070, -31.0625, -23.6851



153.6910, -75.7697, -57.6110



# Inverse Universe

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



17.7300, 16.4021, 12.5148



19.1850, 23.0798, 17.3778



22.9550, 11.8542, 24.5955



23.6410, 1.1630, 0.3148



25.9930, 31.0625, 23.6851

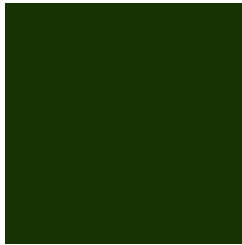


63.3090, 75.7697, 57.6110



# Previews

## White Background



This preview shows how the YUV color 37.2700, -16.4021, -12.5148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

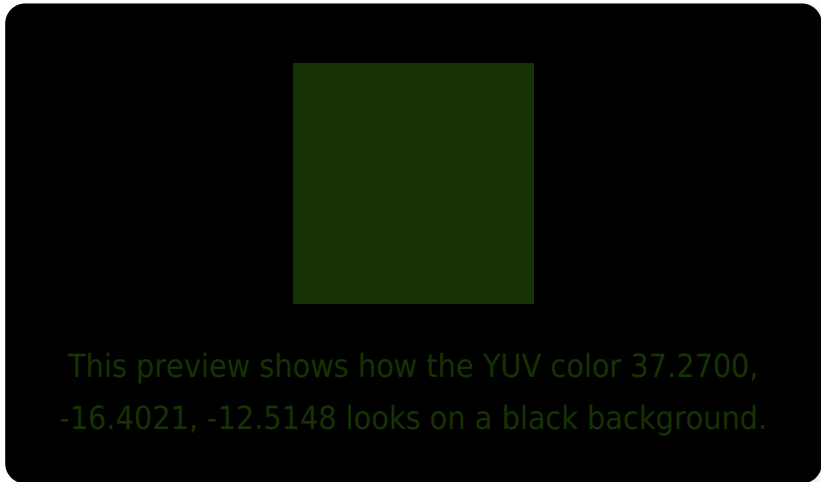
Any Text WCAG AA ✓ Pass

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

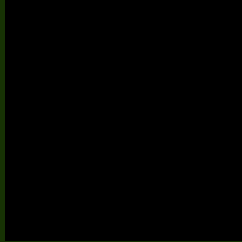
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 37.2700, -16.4021, -12.5148

## Background



This preview shows how black text looks on a background with the YUV color 37.2700, -16.4021, -12.5148.



This preview shows how white text looks on a background with the YUV color 37.2700, -16.4021, -12.5148.

-12.5148.

# 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

37.2700, -16.4021, -12.5148

### Protanopia

41.3650, -20.3929, 7.5729

### Deuteranopia

42.6520, -15.6044, 11.7062



## Tritanopia

42.3730, 4.2531, -10.8511

# Trichromacy



## Original Color

37.2700, -16.4021, -12.5148

## Protanomaly

39.6630, -19.0609, 0.2955

## Deuteranomaly

40.4830, -16.0141, 3.0844

## Tritanomaly

40.1250, -3.0196, -11.5106

# Monochromacy



## Original Color

37.2700, -16.4021, -12.5148

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.0720, -5.9515, -4.4481

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.2700, -16.4021, -12.5148 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(23, 51, 4)` looks like.

```
.text, #text, p{  
    color:rgb(23, 51, 4)  
}
```

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(23, 51, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 51, 4) }
```

## Border

The CSS property to change the border of an element to YUV 37.2700, -16.4021, -12.5148 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(23, 51, 4) }
```



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

```
.border{ border-color:rgb(23, 51, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 51, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 51, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 51, 4); box-shadow:4px  
4px 4px 4px rgb(23, 51, 4) }
```

# Background

The CSS property to change the background color of an element to YUV 37.2700, -16.4021, -12.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 51, 4) }
```

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

```
.background{ background-color: rgb(23, 51,  
4) }
```

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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