

# Converting Colors

YUV(49.7940, -24.5484,  
-12.9743)

Have a look what the booklet for  
YUV(49.7940, -24.5484, -12.9743)  
contains.

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# Color

**YUV(49.7940, -24.5484,  
-12.9743)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	234300
RGB	35, 67, 0
RGB Percent	14%, 26%, 0%
CMY	0.8627, 0.7373, 1.0000
CMYK	0.48, 0.00, 1.00, 0.74
HSL	89°, 100%, 13%
HSV	89°, 100%, 26%
XYZ	2.7003, 4.3716, 0.7015
YIQ	49.7940, 2.4350, -27.6210

# Conversions

## Conversions Part 2

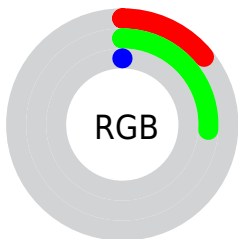
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 67, 32
Decimal	2310912
CIELab	24.86, -23.57, 32.83
CIELCh	25, 40.419, 125.672
Yxy	4.3716, 0.3474, 0.5624
Android (android.graphics.Color)	4280500992 (0xFF234300)
YUV	49.7940, -24.5484, -12.9743
Hunter-Lab	20.9085, -13.5368, 12.6467

# Details

The YUV color **49.7940, -24.5484, -12.9743** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17.2060, 24.5484, 12.9743**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.2070, -24.2591, -12.4595**, and **15.2620, -7.5242, -13.3848** is the 20% darker color. If you saturate the color by 10%, you get **49.7940, -24.5484, -12.9743**, and if you desaturate by 10%, it is **51.4890, -21.9331, -11.8299**.

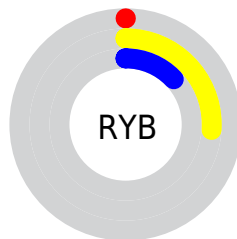
# Distribution



Red (14%)

Green (26%)

Blue (0%)



Red (0%)

Yellow (26%)

Blue (13%)

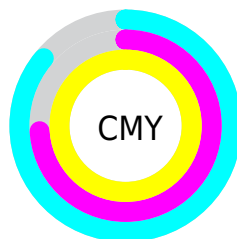


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (74%)



Cyan (86%)

Magenta (74%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 49.7940, -24.5484, -12.9743 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 49.7940, -24.5484, -12.9743 by changing the saturation by 10% instead.





 49.7940, -24.5484,  
-12.9743


 49.7940, -24.5484,  
-12.9743

 252.3780,  
-10.0464, 2.2995


 29.1170, -14.3547,  
-15.8886


 98.2070, -24.2591,  
-12.4595


 15.2620, -7.5242,  
-13.3848

 123.5660,  
-25.4220, -12.7744

 0.0000, 0.0000,  
0.0000

 150.0390,  
-26.1482, -13.1892


 176.8110,  
-27.0218, -12.9892


 204.6970,  
-27.4586, -12.8893


 233.1700,


-28.1848, -13.3041


 246.6800,  
-21.5342, 0.2806


 49.7940, -24.5484,  
-12.9743

 51.4890, -21.9331,  
-11.8299

 53.0700, -19.7545,  
-10.5854

 55.0640, -17.2866,  
-8.8261

 56.7590, -14.6712,  
-7.6816

 58.4540, -12.0558,  
-6.5372

■ 60.0350, -9.8773,  
-5.2927

■ 61.7300, -7.2619,  
-4.1482

■ 63.7240, -4.7939,  
-2.3889

■ 65.3050, -2.6154,  
-1.1445

# Harmonies

## Analogous

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



55.5520, -27.3871, 10.9169



49.7940, -24.5484, -12.9743



45.3250, -6.5692, -39.7500

# Triad

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



49.7940, -24.5484, -12.9743



53.6130, 30.2638, -47.0186



53.8460, 0.5689, 51.0011

# Complementary

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



49.7940, -24.5484, -12.9743



17.2060, 24.5484, 12.9743

# 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.



58.0750, 13.2740, 35.8912



49.7940, -24.5484, -12.9743



49.4870, 34.7629, -43.4001

# Square

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



49.7940, -24.5484, -12.9743



52.9800, 20.2229, -46.4635



60.3360, 23.9914, 4.9673



54.5130, -14.5499, 46.9081



# Rectangle

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



49.7940, -24.5484, -12.9743



48.3060, 2.3141, -42.3644



60.3360, 23.9914, 4.9673



54.9750, 4.9423, 48.2569

# Sweetspot

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



49.7940, -24.5484, -12.9743



80.1490, -9.4405, -5.3927



38.2300, -18.8474, 25.2313



39.1970, -5.5201, -2.8038



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000



# Same Dimension

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



49.7940, -24.5484, -12.9743



64.5240, -31.8103, -17.1225



39.9270, -19.6840, -33.2620



32.3590, -1.1630, -0.3148



72.1880, -35.5887, -18.5819



166.4710, -82.0702, -43.3861



# Inverse Universe

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



17.2060, 24.5484, 12.9743



22.1770, 31.9577, 16.5078



27.0730, 19.6840, 33.2620



30.6410, 1.1630, 0.3148



24.8120, 35.5887, 18.5819

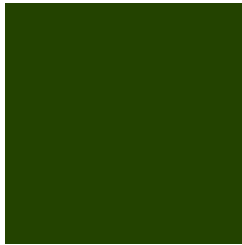


57.5290, 82.0702, 43.3861



# Previews

## White Background



This preview shows how the YUV color 49.7940, -24.5484, -12.9743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

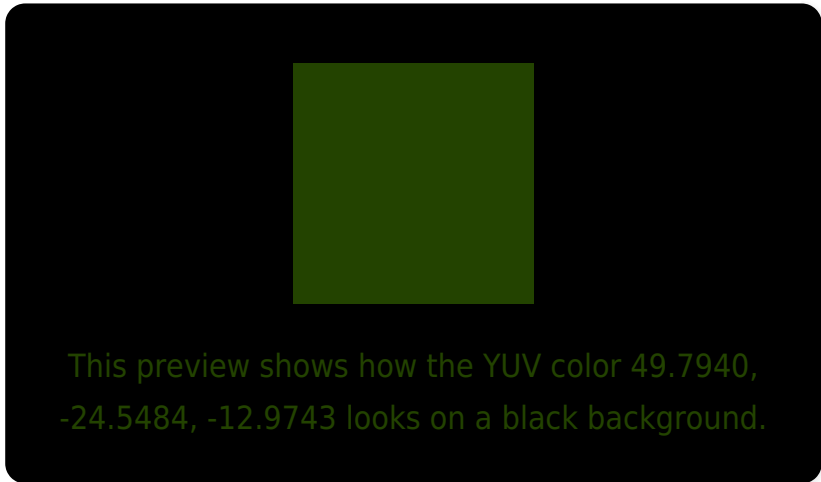
Any Text WCAG AA ✓ Pass

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 49.7940, -24.5484, -12.9743

## Background



This preview shows how black text looks on a background with the YUV color 49.7940, -24.5484, -12.9743.



This preview shows how white text looks on a background with the YUV color 49.7940, -24.5484, -12.9743.

-12.9743.

# 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

49.7940, -24.5484, -12.9743

### Protanopia

54.6660, -26.9503, 10.8169

### Deuteranopia

56.5940, -20.9988, 15.2651



**Tritanopia**

57.1880, 4.8373, -11.5659

# Trichromacy



## Original Color

49.7940, -24.5484, -12.9743

## Protanomaly

52.8390, -26.0496, 1.8952

## Deuteranomaly

54.1860, -22.2767, 5.0989

## Tritanomaly

54.7290, -5.7824, -12.0403

# Monochromacy



## Original Color

49.7940, -24.5484, -12.9743

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

49.9750, -8.8617, -4.3631

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.7940, -24.5484, -12.9743 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(35, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 67, 0)  
}
```

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(35, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 67, 0) }
```

## Border

The CSS property to change the border of an element to YUV 49.7940, -24.5484, -12.9743 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(35, 67, 0) }
```



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

```
.border{ border-color:rgb(35, 67, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 67, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 67, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(35, 67, 0); box-shadow:4px  
4px 4px 4px rgb(35, 67, 0) }
```

# Background

The CSS property to change the background color of an element to YUV 49.7940, -24.5484, -12.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 67, 0) }
```

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

```
.background{ background-color: rgb(35, 67,  
0) }
```

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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