

# Converting Colors

YUV(48.7970, -19.1269,  
-25.2550)

Have a look what the booklet for  
YUV(48.7970, -19.1269, -25.2550)  
contains.

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# Color

**YUV(48.7970, -19.1269,  
-25.2550)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	14470A
RGB	20, 71, 10
RGB Percent	8%, 28%, 4%
CMY	0.9216, 0.7216, 0.9608
CMYK	0.72, 0.00, 0.86, 0.72
HSL	110°, 75%, 16%
HSV	110°, 86%, 28%
XYZ	2.5965, 4.6771, 1.0531
YIQ	48.7970, -10.8150, -29.7830

# Conversions

## Conversions Part 2

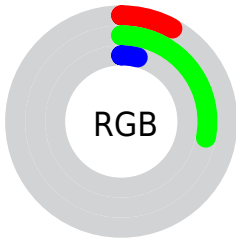
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 71, 61
Decimal	1328906
CIELab	25.79, -29.56, 29.45
CIELCh	26, 41.725, 135.110
Yxy	4.6771, 0.3118, 0.5617
Android (android.graphics.Color)	4279518986 (0xFF14470A)
YUV	48.7970, -19.1269, -25.2550
Hunter-Lab	21.6266, -16.4157, 12.2516

# Details

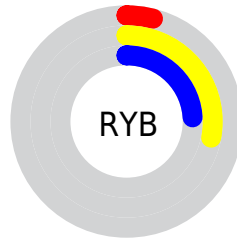
The YUV color **48.7970, -19.1269, -25.2550** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **32.2030, 19.1269, 25.2550**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.1670, -20.2953, -23.8255**, and **17.0230, -8.3923, -14.9292** is the 20% darker color. If you saturate the color by 10%, you get **46.2050, -21.3001, -28.2438**, and if you desaturate by 10%, it is **51.3890, -16.9538, -22.2662**.

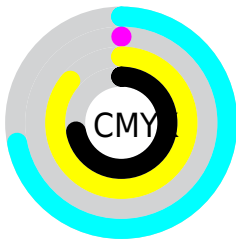
# Distribution



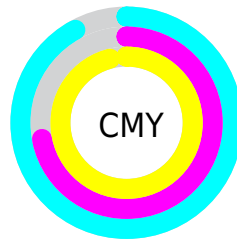
- Red (8%)
- Green (28%)
- Blue (4%)



- Red (4%)
- Yellow (28%)
- Blue (24%)



- Cyan (72%)
- Magenta (0%)
- Yellow (86%)
- Black (72%)




- Cyan (92%)
- Magenta (72%)
- Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 48.7970, -19.1269, -25.2550 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 48.7970, -19.1269, -25.2550 by changing the saturation by 10% instead.





 48.7970, -19.1269,  
-25.2550


 48.7970, -19.1269,  
-25.2550

 253.4040, -6.1152,  
1.3997

 28.1760, -13.8908,  
-24.7104

 98.1670, -20.2953,  
-23.8255


 17.0230, -8.3923,  
-14.9292

 123.9390,  
-21.1689, -23.6255

 0.0000, 0.0000,  
0.0000

 150.2980,  
-22.3319, -23.9403

 176.8850,  
-22.6213, -24.4551

 205.2440,  
-23.7843, -24.7700

 232.0700,

-23.2055, -23.7404

■ 243.6340,  
-15.1026, -9.3260

■ 48.7970, -19.1269,  
-25.2550

■ 48.7970, -19.1269,  
-25.2550

■ 46.2050, -21.3001,  
-28.2438

■ 51.3890, -16.9538,  
-22.2662

■ 45.2650, -22.3156,  
-29.1734

■ 53.9810, -14.7806,  
-19.2773

■ 56.5730, -12.6075,  
-16.2885

■ 59.1650, -10.4343,  
-13.2997

■ 61.8710, -7.8244,  
-10.4109

■ 64.4630, -5.6513,  
-7.4221

■ 67.0550, -3.4781,  
-4.4332

■ 69.3480, -1.1576,  
-2.0592

■ 71.9400, 1.0156,  
0.9296

# Harmonies

## Analogous

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



56.3940, -27.8022, 4.0395



48.7970, -19.1269, -25.2550



48.4540, -2.1958, -42.4942

# Triad

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



48.7970, -19.1269, -25.2550



54.5250, 33.7582, -47.8184



55.6030, -4.2413, 53.8452

# Complementary

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



48.7970, -19.1269, -25.2550



32.2030, 19.1269, 25.2550

# 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.



58.5060, 9.6105, 44.2832



48.7970, -19.1269, -25.2550



52.2430, 34.8832, -35.2931

# Square

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



48.7970, -19.1269, -25.2550



55.5220, 24.8857, -48.6928



62.4300, 21.4800, 17.1629



57.1230, -19.7806, 44.6191



# Rectangle

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



48.7970, -19.1269, -25.2550



51.5490, 7.1243, -45.2085



62.4300, 21.4800, 17.1629



55.2700, 0.8529, 53.2602

# Sweetspot

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



48.7970, -19.1269, -25.2550



83.2840, -7.5350, -9.8961



58.1760, -23.7508, 11.2466



40.8160, -4.3463, -5.9776



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



48.7970, -19.1269, -25.2550



58.4890, -28.8351, -38.1399



48.0870, -8.9169, -33.4023



34.6470, -1.3050, -1.4444



62.8970, -31.0082, -41.1287



144.3120, -71.1458, -94.1126



# Inverse Universe

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



32.2030, 19.1269, 25.2550



33.5110, 28.8351, 38.1399



32.9130, 8.9169, 33.4023



33.3530, 1.3050, 1.4444



36.1030, 31.0082, 41.1287

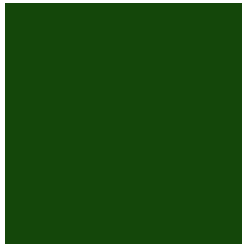


82.6880, 71.1458, 94.1126



# Previews

## White Background



This preview shows how the YUV color 48.7970, -19.1269, -25.2550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

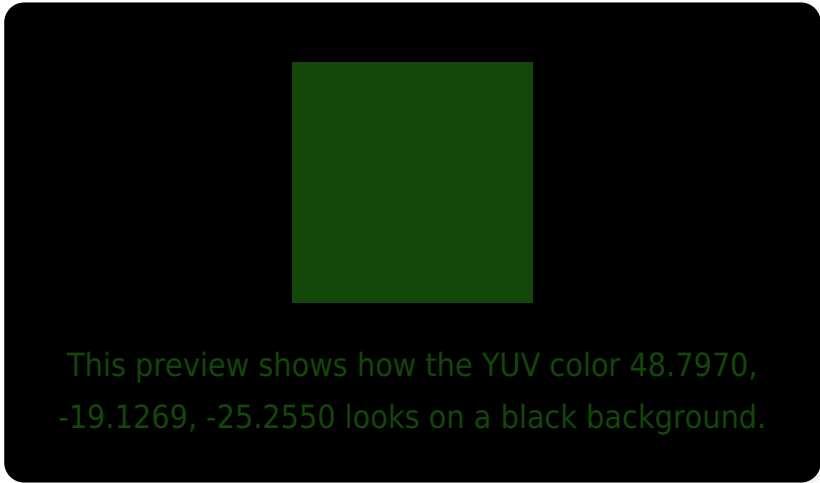
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

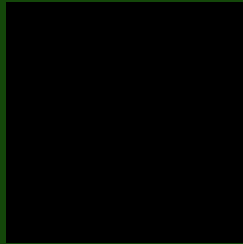
Any Text WCAG AA × Fail

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 48.7970, -19.1269, -25.2550 Background



This preview shows how black text looks on a background with the YUV color 48.7970, -19.1269, -25.2550.



This preview shows how white text looks on a background with the YUV color 48.7970, -19.1269, -25.2550.

-25.2550.

# 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

48.7970, -19.1269, -25.2550

### Protanopia

57.2360, -24.7663, 10.3170

### Deuteranopia

59.1210, -20.2727, 15.6799



## Tritanopia

57.3010, 6.7536, -19.5580

# Trichromacy



## Original Color

48.7970, -19.1269, -25.2550

## Protanomaly

54.3160, -22.8338, -2.9081

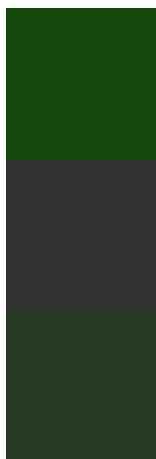
## Deuteranomaly

55.4350, -19.9345, 0.4955

## Tritanomaly

54.4720, -2.6977, -21.4619

# Monochromacy



## Original Color

48.7970, -19.1269, -25.2550

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.8110, -6.8088, -9.4812

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.7970, -19.1269, -25.2550 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(20, 71, 10)` looks like.

```
.text, #text, p{  
    color:rgb(20, 71, 10)  
}
```

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(20, 71, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 71, 10) }
```

## Border

The CSS property to change the border of an element to YUV 48.7970, -19.1269, -25.2550 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(20, 71, 10) }
```



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

```
.border{ border-color:rgb(20, 71, 10) }
```

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

Here you see how a box with a 4 pixel rgb(20, 71, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 71, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 71, 10);  
box-shadow:4px 4px 4px 4px rgb(20, 71, 10)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.7970, -19.1269, -25.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 71, 10) }
```

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

```
.background{ background-color: rgb(20, 71,  
10) }
```

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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