

# Converting Colors

YUV(30.0750, 46.7980, 16.5972)

Have a look what the booklet for  
YUV(30.0750, 46.7980, 16.5972)  
contains.

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# Color

**YUV(30.0750, 46.7980,  
16.5972)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31027D
RGB	49, 2, 125
RGB Percent	19%, 1%, 49%
CMY	0.8078, 0.9922, 0.5098
CMYK	0.61, 0.98, 0.00, 0.51
HSL	263°, 97%, 25%
HSV	263°, 98%, 49%
XYZ	4.9900, 2.1771, 19.5592
YIQ	30.0750, -11.4710, 48.2170

# Conversions

## Conversions Part 2

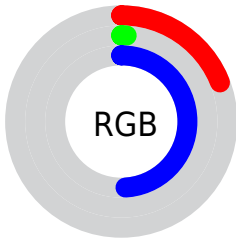
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 2, 125
Decimal	3211901
CIE <sub>Lab</sub>	16.39, 47.61, -57.00
CIE <sub>LCh</sub>	16, 74.269, 309.869
Yxy	2.1771, 0.1867, 0.0815
Android (android.graphics.Color)	4281401981 (0xFF31027D)
YUV	30.0750, 46.7980, 16.5972
Hunter-Lab	14.7548, 34.5467, -68.2674

# Details

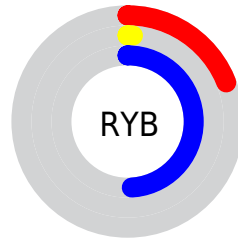
The YUV color **30.0750, 46.7980, 16.5972** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **96.9250, -46.7980, -16.5972**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **85.5590, 46.0664, 17.9268**, and **8.5500, 32.7599, -7.4984** is the 20% darker color. If you saturate the color by 10%, you get **28.6020, 47.5242, 17.0120**, and if you desaturate by 10%, it is **39.5110, 42.1461, 15.3379**.

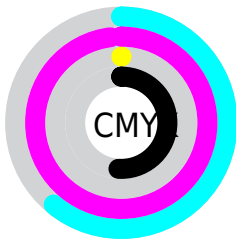
# Distribution



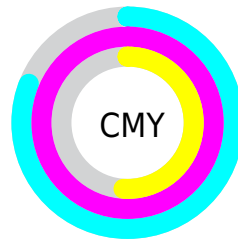
- Red (19%)
- Green (1%)
- Blue (49%)



- Red (19%)
- Yellow (1%)
- Blue (49%)



- Cyan (61%)
- Magenta (98%)
- Yellow (0%)
- Black (51%)



- Cyan (81%)
- Magenta (99%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 30.0750, 46.7980, 16.5972 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 30.0750, 46.7980, 16.5972 by changing the saturation by 10% instead.



■ 30.0750, 46.7980,  
16.5972

■ 30.0750, 46.7980,  
16.5972

■ 249.1300, 2.8939,  
5.1480

■ 14.8740, 41.4741,  
-2.5205

■ 85.5590, 46.0664,  
17.9268

■ 8.5500, 32.7599,  
-7.4984

■ 111.7980, 46.9346,  
19.4712

■ 8.1620, 21.1191,  
-7.1581

■ 138.3360, 47.6554,  
21.6303

■ 4.4800, 12.0884,  
-3.9290


■ 164.2500, 44.7398,  
23.4597


■ 0.0000, 0.0000,  
0.0000


■ 189.0690, 32.5040,  
28.0035


■ 214.1760, 20.1262,


31.4176


 232.1070, 11.2862,  
20.0772


 30.0750, 46.7980,  
16.5972


 30.0750, 46.7980,  
16.5972


 28.6020, 47.5242,  
17.0120

 39.5110, 42.1461,  
15.3379

 49.2350, 37.3521,  
12.9489

 58.6710, 32.7002,  
11.6895

 68.6940, 27.7589,  
9.9154

 78.7170, 22.8175,  
8.1412

■ 87.8540, 18.3130,  
6.2670

■ 97.8770, 13.3716,  
4.4929

■ 107.3130, 8.7197,  
3.2335

■ 116.7490, 4.0677,  
1.9741

# Harmonies

## Analogous

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



44.1020, 52.2077, -38.6775



30.0750, 46.7980, 16.5972



41.7820, 17.8555, 59.8272

# Triad

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



30.0750, 46.7980, 16.5972



35.9480, -17.7224, 37.7566



40.6580, 8.5496, -35.6571

# Complementary

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



30.0750, 46.7980, 16.5972



96.9250, -46.7980, -16.5972

# 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.



33.4590, -16.4953, -29.3435



30.0750, 46.7980, 16.5972



36.8800, -18.1818, -1.6488

# Square

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



30.0750, 46.7980, 16.5972



32.5910, -16.0674, 67.0107



31.1110, -15.3377, -27.2843



47.1730, 30.9737, -41.3707



# Rectangle

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



30.0750, 46.7980, 16.5972



41.4940, 1.2355, 70.6038



31.1110, -15.3377, -27.2843



38.4920, 0.2504, -33.7575

# Sweetspot

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



30.0750, 46.7980, 16.5972



125.2670, 18.6024, 6.7818



61.8080, 31.1537, -52.4516



58.7090, 11.4825, 3.7632



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



30.0750, 46.7980, 16.5972



37.1200, 62.0588, 21.8198



48.0150, 37.9536, 53.4838



58.6950, 2.6154, 1.1445



29.2430, 48.6872, 17.3269



0.0000, 0.0000, 0.0000



# Inverse Universe

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



47.4410, 15.0656, 68.0192



60.2510, 20.0893, 90.1109



78.9850, -37.9536, -53.4838



59.5490, 0.7153, 3.9035



47.2780, 15.6389, 70.7932

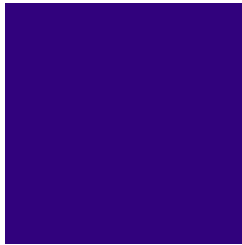


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 30.0750, 46.7980, 16.5972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

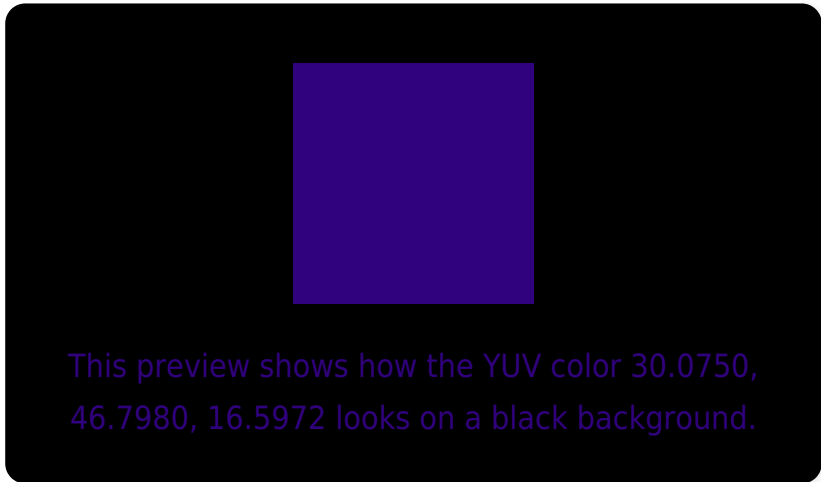
Any Text WCAG AA ✓ Pass

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

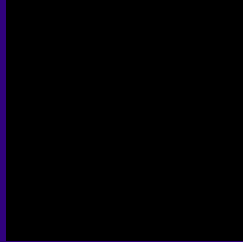
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 30.0750, 46.7980, 16.5972

## Background



This preview shows how black text looks on a background with the YUV color 30.0750, 46.7980, 16.5972.



This preview shows how white text looks on a background with the YUV color 30.0750, 46.7980,



# 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

30.0750, 46.7980, 16.5972

### Protanopia

34.8000, 26.7206, -30.5196

### Deuteranopia

35.0790, 20.1741, -30.7643



## Tritanopia

37.4960, 7.6435, -24.9910

# Trichromacy



## Original Color

30.0750, 46.7980, 16.5972

## Protanomaly

32.8590, 34.0865, -13.0313

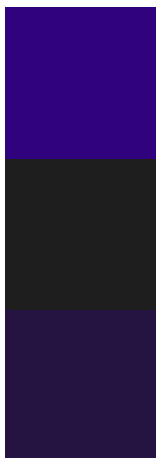
## Deuteranomaly

33.1210, 30.0133, -13.2611

## Tritanomaly

34.9660, 21.7088, -9.6172

# Monochromacy



## Original Color

30.0750, 46.7980, 16.5972

## Achromatopsia

30.0000, 0.0000, 0.0000

## Achromatomaly

30.2130, 17.1500, 5.9522

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 30.0750, 46.7980, 16.5972 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(49, 2, 125)` looks like.

```
.text, #text, p{  
    color:rgb(49, 2, 125)  
}
```

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(49, 2, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 2, 125) }
```

## Border

The CSS property to change the border of an element to YUV 30.0750, 46.7980, 16.5972 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(49, 2, 125) }
```



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

```
.border{ border-color:rgb(49, 2, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 2, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 2, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 2, 125);  
box-shadow:4px 4px 4px 4px rgb(49, 2, 125)  
}
```

# Background

The CSS property to change the background color of an element to YUV 30.0750, 46.7980, 16.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 2, 125) }
```

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

```
.background{ background-color: rgb(49, 2,  
125) }
```

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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