

# Converting Colors

YUV(24.7620, -12.2077,  
42.3047)

Have a look what the booklet for  
YUV(24.7620, -12.2077, 42.3047)  
contains.

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# Color

**YUV(24.7620, -12.2077,  
42.3047)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	490500
RGB	73, 5, 0
RGB Percent	29%, 2%, 0%
CMY	0.7137, 0.9804, 1.0000
CMYK	0.00, 0.93, 1.00, 0.71
HSL	4°, 100%, 14%
HSV	4°, 100%, 29%
XYZ	2.8019, 1.5250, 0.1467
YIQ	24.7620, 42.1330, 12.8610

# Conversions

## Conversions Part 2

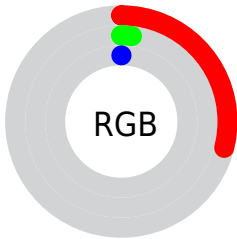
Format	Color
<a href="#">RYB</a>	<a href="#">73, 5, 0</a>
Decimal	<a href="#">4785408</a>
CIELab	<a href="#">12.77, 30.47, 19.91</a>
CIElCh	<a href="#">13, 36.396, 33.169</a>
Yxy	<a href="#">1.5250, 0.6263, 0.3409</a>
Android (android.graphics.Color)	<a href="#">4282975488 (0xFF490500)</a>
YUV	<a href="#">24.7620, -12.2077, 42.3047</a>
Hunter-Lab	<a href="#">12.3491, 18.8894, 7.9402</a>

# Details

The YUV color **24.7620, -12.2077, 42.3047** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **48.2380, 12.2077, -42.3047**, and the grayscale version is **25.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.6160, -14.1077, 45.0638**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **24.7620, -12.2077, 42.3047**, and if you desaturate by 10%, it is **29.6690, -11.1758, 38.0013**.

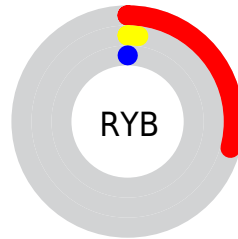
# Distribution



Red (29%)

Green (2%)

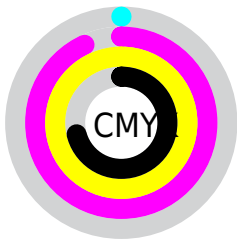
Blue (0%)



Red (29%)

Yellow (2%)

Blue (0%)

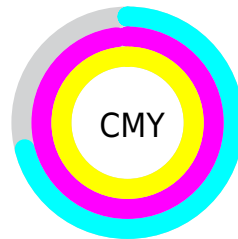


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (71%)



Cyan (71%)

Magenta (98%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 24.7620, -12.2077, 42.3047 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 24.7620, -12.2077, 42.3047 by changing the saturation by 10% instead.



■ 24.7620, -12.2077,  
42.3047

■ 24.7620, -12.2077,  
42.3047

■ 242.8890, -8.3263,  
10.6213

■ 14.3520, -7.0755,  
29.5093

■ 75.6160, -14.1077,  
45.0638

■ 0.0000, 0.0000,  
0.0000

■ 100.6980,  
-15.1341, 47.6229


■ 126.3670,  
-16.4499, 49.6671


■ 153.1500,  
-17.3290, 51.6114


■ 180.3460,  
-17.9186, 54.0706


■ 203.6330,


-16.5811, 45.0489


 223.2610,  
-12.4537, 27.8351


 24.7620, -12.2077,  
42.3047

 29.6690, -11.1758,  
38.0013

 34.6900, -9.7072,  
33.5979

 39.0100, -8.3859,  
29.8092

 43.9170, -7.3541,  
25.5058

 48.9380, -5.8854,  
21.1024

■ 53.8450, -4.8536,  
16.7989

■ 58.7520, -3.8217,  
12.4955

■ 63.0720, -2.5005,  
8.7069

■ 68.0930, -1.0318,  
4.3034

# Harmonies

## Analogous

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



26.0730, 2.9220, 42.9090



24.7620, -12.2077, 42.3047



30.8540, -15.2110, 25.5610

# Triad

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



24.7620, -12.2077, 42.3047



25.1100, -10.4072, -22.0215



30.7080, 26.2730, -26.9309

# Complementary

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



24.7620, -12.2077, 42.3047



48.2380, 12.2077, -42.3047

# 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.



32.9590, 22.2052, -28.9050



24.7620, -12.2077, 42.3047



29.8180, 2.5547, -26.1504

# Square

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



24.7620, -12.2077, 42.3047



27.0790, -13.3499, -11.4703



32.6680, 13.4747, -28.6498



33.2060, 21.0974, -0.1807



# Rectangle

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



24.7620, -12.2077, 42.3047



31.6630, -15.6099, 13.4505



32.6680, 13.4747, -28.6498



31.8820, 25.6942, -27.9605

# Sweetspot

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



24.7620, -12.2077, 42.3047



75.5460, -4.7062, 16.1842



29.5790, 18.9416, 38.0802



36.6700, -2.7953, 9.9364



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

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



24.7620, -12.2077, 42.3047



31.6280, -15.5926, 54.7002



45.8940, -22.6257, 23.7720



33.1960, -0.5896, 2.4591



33.7100, -16.6190, 57.2593



77.2650, -38.0916, 131.3176



# Inverse Universe

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



48.2380, 12.2077, -42.3047



62.3720, 15.5926, -54.7002



27.1060, 22.6257, -23.7720



34.2170, 0.8790, -1.9443



65.8770, 16.3296, -57.7741

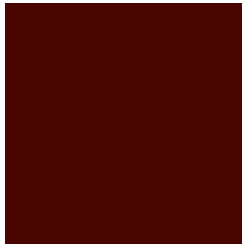


149.7350, 38.0916, -131.3176



# Previews

## White Background



This preview shows how the YUV color 24.7620, -12.2077, 42.3047 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

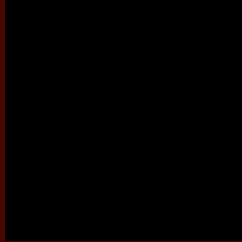
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 24.7620, -12.2077, 42.3047

## Background



This preview shows how black text looks on a background with the YUV color 24.7620, -12.2077, 42.3047.



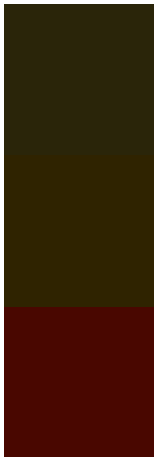
This preview shows how white text looks on a background with the YUV color 24.7620, -12.2077,



# 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



### Protanopia

35.3030, -12.9674, 5.8733

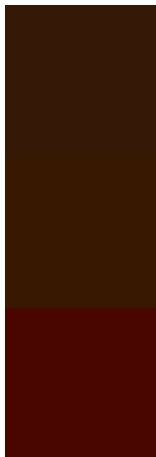
### Deuteranopia

34.5980, -17.0568, 10.8766

### Tritanopia

25.9360, -12.7864, 41.2751

# Trichromacy



## Protanomaly

31.2060, -12.4266, 19.1133

## Deuteranomaly

30.8320, -15.2002, 22.0723

## Tritanomaly

25.3490, -12.4971, 41.7899

# Monochromacy



## Achromatopsia

25.0000, 0.0000, 0.0000

## Achromatomaly

24.9480, -4.4114, 14.9546

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 24.7620, -12.2077, 42.3047 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(73, 5, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 5, 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(73, 5, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 5, 0) }
```

## Border

The CSS property to change the border of an element to YUV 24.7620, -12.2077, 42.3047 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(73, 5, 0) }
```

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

```
.border{ border-color:rgb(73, 5, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 5, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 5, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 5, 0); box-shadow:4px  
4px 4px 4px rgb(73, 5, 0) }
```



# Background

The CSS property to change the background color of an element to YUV 24.7620, -12.2077, 42.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 5, 0) }
```

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

```
.background{ background-color: rgb(73, 5,  
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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