

# Converting Colors

YUV(32.5050, -16.0250, 6.5731)

Have a look what the booklet for  
YUV(32.5050, -16.0250, 6.5731)  
contains.

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# Color

**YUV(32.5050, -16.0250,  
6.5731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	282300
RGB	40, 35, 0
RGB Percent	16%, 14%, 0%
CMY	0.8431, 0.8627, 1.0000
CMYK	0.00, 0.13, 1.00, 0.84
HSL	53°, 100%, 8%
HSV	53°, 100%, 16%
XYZ	1.4761, 1.6532, 0.2413
YIQ	32.5050, 14.2150, -9.8250

# Conversions

## Conversions Part 2

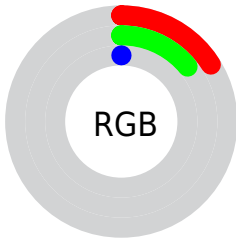
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">6, 40, 0</a>
Decimal	<a href="#">2630400</a>
CIELab	<a href="#">13.55, -2.63, 19.91</a>
CIELCh	<a href="#">14, 20.084, 97.513</a>
Yxy	<a href="#">1.6532, 0.4379, 0.4905</a>
Android (android.graphics.Color)	<a href="#">4280820480 (0xFF282300)</a>
YUV	<a href="#">32.5050, -16.0250, 6.5731</a>
Hunter-Lab	<a href="#">12.8576, -2.0083, 7.8876</a>

# Details

The YUV color **32.5050, -16.0250, 6.5731** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7.4950, 16.0250, -6.5731**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **77.4450, -15.0094, 7.5027**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **32.5050, -16.0250, 6.5731**, and if you desaturate by 10%, it is **32.9610, -14.2778, 6.1732**.

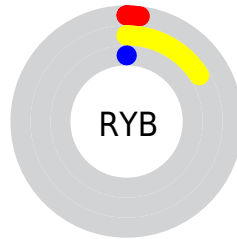
# Distribution



Red (16%)

Green (14%)

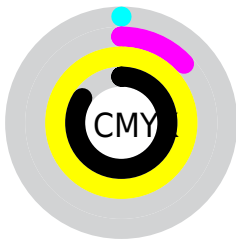
Blue (0%)



Red (2%)

Yellow (16%)

Blue (0%)

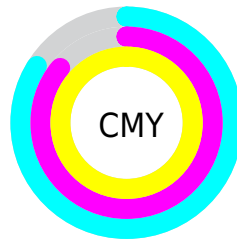


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (84%)



Cyan (84%)

Magenta (86%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 32.5050, -16.0250, 6.5731 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 32.5050, -16.0250, 6.5731 by changing the saturation by 10% instead.



■ 32.5050, -16.0250,  
6.5731

■ 32.5050, -16.0250,  
6.5731

■ 251.6940,  
-12.6671, 2.8994

■ 12.1050, -5.9678,  
0.7849

■ 77.4450, -15.0094,  
7.5027

■ 0.0000, 0.0000,  
0.0000

■ 101.6300,  
-15.5936, 8.2175


■ 126.5160,  
-16.0304, 8.3175


■ 152.5870,  
-17.0514, 9.1322


■ 179.4730,  
-17.4882, 9.2322


■ 206.7720,


-17.6356, 9.8470


 235.5440,  
-18.5092, 10.0469


 32.5050, -16.0250,  
6.5731

 32.9610, -14.2778,  
6.1732

 34.0040, -12.8200,  
5.2585

 35.0470, -11.3622,  
4.3438

 35.5030, -9.6150,  
3.9439

 36.5460, -8.1572,  
3.0292

■ 37.0020, -6.4100,  
2.6292

■ 38.0450, -4.9522,  
1.7145

■ 38.5010, -3.2050,  
1.3146

■ 39.5440, -1.7472,  
0.3999

# Harmonies

## Analogous

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



33.3150, -14.4523, 15.5097



32.5050, -16.0250, 6.5731



31.3940, -11.0402, -5.6075

# Triad

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



32.5050, -16.0250, 6.5731



29.8810, 10.4117, -26.2056



35.4780, 5.1873, 16.2438

# Complementary

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



32.5050, -16.0250, 6.5731



7.4950, 16.0250, -6.5731

# 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.



36.0680, 10.3195, 3.4484



32.5050, -16.0250, 6.5731



29.7330, 14.9216, -26.0758

# Square

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



32.5050, -16.0250, 6.5731



28.9860, 4.4439, -25.4207



31.7990, 14.8891, -15.6097



34.5020, -1.2335, 22.3617



# Rectangle

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



32.5050, -16.0250, 6.5731



28.9350, -4.8980, -15.7290



31.7990, 14.8891, -15.6097



36.2110, 6.7980, 12.9700

# Sweetspot

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



32.5050, -16.0250, 6.5731



48.1160, -5.9732, 2.5293



12.5300, -3.7123, 24.0912



23.6860, -3.7892, 2.0294



153.0000, 0.0000, 0.0000



26.0000, 0.0000, 0.0000



# Same Dimension

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



32.5050, -16.0250, 6.5731



41.6640, -20.5404, 8.1877



30.9550, -15.2608, -5.2225



19.7720, -0.8736, 0.2000



68.5540, -33.7971, 13.5461



171.9830, -84.7876, 35.0949



# Inverse Universe

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



7.4950, 16.0250, -6.5731



9.3360, 20.5404, -8.1877



9.0450, 15.2608, 5.2225



18.8150, 0.5842, -0.7148



16.0330, 33.5077, -14.0609

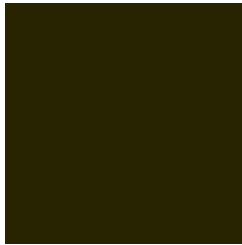


39.4300, 85.0770, -34.5801



# Previews

## White Background



This preview shows how the YUV color 32.5050, -16.0250, 6.5731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

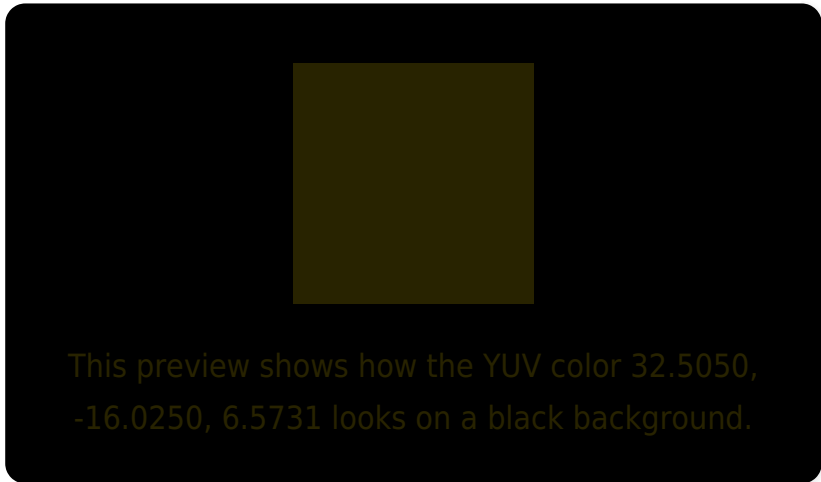
Any Text WCAG AA ✓ Pass

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

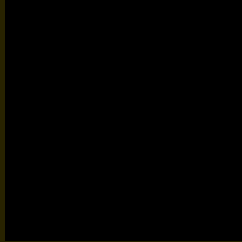
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

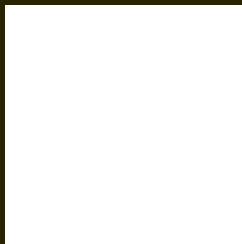
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 32.5050, -16.0250, 6.5731

## Background



This preview shows how black text looks on a background with the YUV color 32.5050, -16.0250, 6.5731.



This preview shows how white text looks on a background with the YUV color 32.5050, -16.0250,



# 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

32.6190, -15.5882, 6.4731

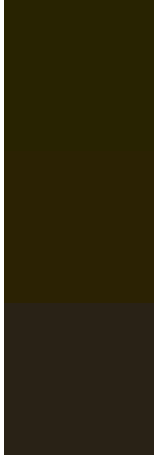
### Deuteranopia

32.9830, -14.2886, 9.6619

### Tritanopia

35.9190, -0.4531, 5.3330

# Trichromacy



## Protanomaly

32.6190, -15.5882, 6.4731

## Deuteranomaly

33.1570, -14.8674, 8.6323

## Tritanomaly

34.7250, -6.2734, 5.5032

# Monochromacy



## Achromatopsia

33.0000, 0.0000, 0.0000

## Achromatomaly

33.1160, -5.9732, 2.5293

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 32.5050, -16.0250, 6.5731 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(40, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 35, 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(40, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 35, 0) }
```

## Border

The CSS property to change the border of an element to YUV 32.5050, -16.0250, 6.5731 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(40, 35, 0) }
```

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

```
.border{ border-color:rgb(40, 35, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 35, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 35, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(40, 35, 0); box-shadow:4px  
4px 4px 4px rgb(40, 35, 0) }
```



# Background

The CSS property to change the background color of an element to YUV 32.5050, -16.0250, 6.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 35, 0) }
```

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

```
.background{ background-color: rgb(40, 35,  
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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