

# Converting Colors

YUV(32.4550, 17.0307, 44.3280)

Have a look what the booklet for  
YUV(32.4550, 17.0307, 44.3280)  
contains.

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# Color

**YUV(32.4550, 17.0307,  
44.3280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	530043
RGB	83, 0, 67
RGB Percent	33%, 0%, 26%
CMY	0.6745, 1.0000, 0.7373
CMYK	0.00, 1.00, 0.19, 0.67
HSL	312°, 100%, 16%
HSV	312°, 100%, 33%
XYZ	4.5804, 2.2442, 5.5020
YIQ	32.4550, 27.9610, 38.4330

# Conversions

## Conversions Part 2

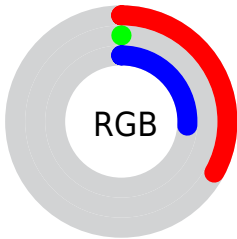
Format	Color
R <sub>Y</sub> B	83, 0, 67
Decimal	5439555
CIE Lab	16.72, 40.92, -17.53
CIE LCh	17, 44.513, 336.813
Yxy	2.2442, 0.3716, 0.1821
Android (android.graphics.Color)	4283629635 (0xFF530043)
YUV	32.4550, 17.0307, 44.3280
Hunter-Lab	14.9808, 28.3601, -11.2887

# Details

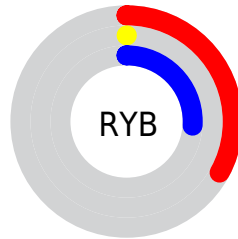
The YUV color **32.4550, 17.0307, 44.3280** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **50.5450, -17.0307, -44.3280**, and the grayscale version is **32.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.2330, 13.6891, 42.7687**, and **13.2010, 5.3239, 19.1177** is the 20% darker color. If you saturate the color by 10%, you get **32.4550, 17.0307, 44.3280**, and if you desaturate by 10%, it is **37.3790, 15.5892, 40.0096**.

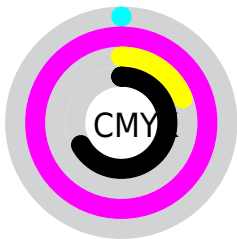
# Distribution



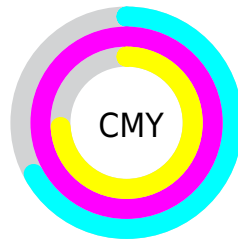
- Red (33%)
- Green (0%)
- Blue (26%)



- Red (33%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (67%)




- Cyan (67%)
- Magenta (100%)
- Yellow (74%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 32.4550, 17.0307, 44.3280 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 32.4550, 17.0307, 44.3280 by changing the saturation by 10% instead.





 32.4550, 17.0307,  
44.3280


 32.4550, 17.0307,  
44.3280

 249.7170, 2.6045,  
4.6332


 22.4720, 11.1063,  
31.1581


 87.2330, 13.6891,  
42.7687


 13.2010, 5.3239,  
19.1177

 113.5320, 13.5417,  
43.3834

 0.0000, 0.0000,  
0.0000

 139.5430, 13.5363,  
45.1278

 166.9560, 13.8257,  
45.6426

 194.9670, 13.8203,  
47.3869

 215.8020, 17.3526,

34.3766

■ 233.2810, 10.7075,  
19.0476

■ 32.4550, 17.0307,  
44.3280

■ 37.3790, 15.5892,  
40.0096

■ 42.7760, 13.4214,  
35.2764

■ 47.7000, 11.9799,  
30.9581

■ 52.5100, 10.1016,  
26.7397

■ 57.4340, 8.6600,  
22.4214

■ 62.9450, 6.9291,  
17.5882

■ 67.7550, 5.0508,  
13.3699

■ 72.6790, 3.6093,  
9.0515

■ 78.0760, 1.4415,  
4.3183

# Harmonies

## Analogous

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



41.0910, 25.5911, 5.1822



32.4550, 17.0307, 44.3280



32.2100, 1.8685, 54.1898

# Triad

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



32.4550, 17.0307, 44.3280



38.9950, -19.2245, 6.1434



40.7040, 18.8799, -35.6974

# Complementary

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



32.4550, 17.0307, 44.3280



50.5450, -17.0307, -44.3280

# 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.



37.1700, 5.3392, -32.5981



32.4550, 17.0307, 44.3280



31.1550, -15.3594, -20.3069

# Square

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



32.4550, 17.0307, 44.3280



38.8390, -19.1476, 28.2052



32.5930, -9.6593, -28.5841



41.4510, 29.3577, -36.3525



# Rectangle

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



32.4550, 17.0307, 44.3280



29.1040, -7.4463, 55.1598



32.5930, -9.6593, -28.5841



39.5640, 14.5119, -34.6976

# Sweetspot

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



32.4550, 17.0307, 44.3280



87.5320, 6.6397, 17.0734



13.9470, 34.0431, 0.9235



41.8040, 4.0406, 10.6959



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



32.4550, 17.0307, 44.3280



41.7970, 21.7921, 57.1830



27.7810, -0.8780, 48.4271



38.5380, 0.7208, 2.1592



40.9710, 21.2133, 56.1534



90.6860, 47.4828, 123.9324



# Inverse Universe

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



32.4550, 17.0307, 44.3280



41.7970, 21.7921, 57.1830



55.2190, 0.8780, -48.4271



38.5380, 0.7208, 2.1592



40.9710, 21.2133, 56.1534

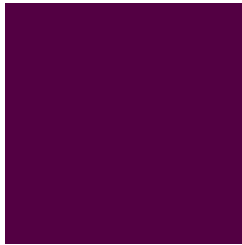


90.6860, 47.4828, 123.9324



# Previews

## White Background



This preview shows how the YUV color 32.4550, 17.0307, 44.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

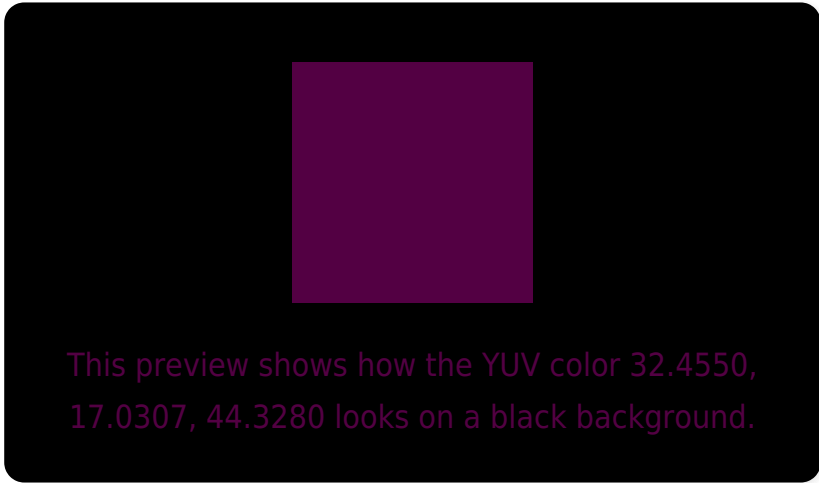
Any Text WCAG AA ✓ Pass

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

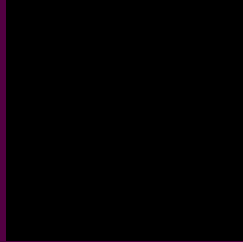
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 32.4550, 17.0307, 44.3280

## Background



This preview shows how black text looks on a background with the YUV color 32.4550, 17.0307, 44.3280.



This preview shows how white text looks on a background with the YUV color 32.4550, 17.0307,



# 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

36.4300, 27.8890, -31.9491

### Deuteranopia

45.5570, 8.5994, -4.8735

### Tritanopia

42.3740, -7.0864, 32.9980

# Trichromacy



## Protanomaly

34.9820, 24.1659, -4.3692

## Deuteranomaly

41.0630, 11.3079, 13.0997

## Tritanomaly

38.9860, 1.4859, 36.8463

# Monochromacy



## Achromatopsia

32.0000, 0.0000, 0.0000

## Achromatomaly

32.1190, 6.3503, 16.5586

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 32.4550, 17.0307, 44.3280 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(83, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 67)  
}
```

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(83, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 67) }
```

## Border

The CSS property to change the border of an element to YUV 32.4550, 17.0307, 44.3280 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(83, 0, 67) }
```

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

```
.border{ border-color:rgb(83, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 67); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 67); box-shadow:4px  
4px 4px 4px rgb(83, 0, 67) }
```



# Background

The CSS property to change the background color of an element to YUV 32.4550, 17.0307, 44.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 67) }
```

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

```
.background{ background-color: rgb(83, 0,  
67) }
```

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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