

Converting Colors

YUV(33.4960, 24.8985, 40.7840)

Have a look what the booklet for
YUV(33.4960, 24.8985, 40.7840)
contains.

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Color

**YUV(33.4960, 24.8985,
40.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	500054
RGB	80, 0, 84
RGB Percent	31%, 0%, 33%
CMY	0.6863, 1.0000, 0.6706
CMYK	0.05, 1.00, 0.00, 0.67
HSL	297°, 100%, 16%
HSV	297°, 100%, 33%
XYZ	4.9085, 2.3456, 8.5815
YIQ	33.4960, 20.7160, 43.0840

Conversions

Conversions Part 2

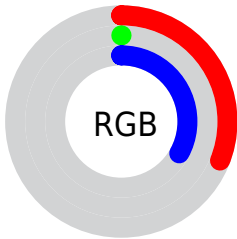
Format	Color
R_{YB}	80, 0, 84
Decimal	5242964
CIE _{Lab}	17.21, 43.07, -28.50
CIE _{LCh}	17, 51.646, 326.508
Yxy	2.3456, 0.3100, 0.1481
Android (android.graphics.Color)	4283433044 (0xFF500054)
YUV	33.4960, 24.8985, 40.7840
Hunter-Lab	15.3152, 30.4071, -22.5011

Details

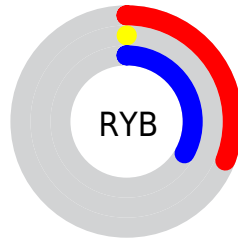
The YUV color **33.4960, 24.8985, 40.7840** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **50.5040, -24.8985, -40.7840**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.7900, 22.2885, 37.8952**, and **14.1990, 11.7339, 16.4885** is the 20% darker color. If you saturate the color by 10%, you get **33.4960, 24.8985, 40.7840**, and if you desaturate by 10%, it is **38.1920, 22.5833, 36.6656**.

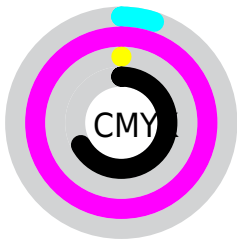
Distribution



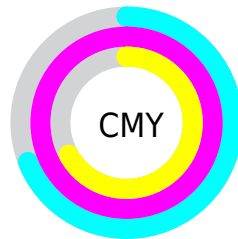
- Red (31%)
- Green (0%)
- Blue (33%)



- Red (31%)
- Yellow (0%)
- Blue (33%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (67%)





- Cyan (69%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the YUV color 33.4960, 24.8985, 40.7840 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 33.4960, 24.8985, 40.7840 by changing the saturation by 10% instead.


 33.4960, 24.8985,
40.7840


 33.4960, 24.8985,
40.7840


 250.3040, 2.3151,
4.1184


 23.2850, 18.1005,
27.8141


 88.7900, 22.2885,
37.8952


 14.1990, 11.7339,
16.4885


 114.6160, 22.8673,
38.9248

 2.2970, 6.2626,
-2.0145

 141.3280, 23.0093,
40.0543

 0.0000, 0.0000,
0.0000

 168.4530, 23.4407,
41.6987

 196.1650, 23.5827,
42.8283

 216.8450, 18.8104,

33.4619

■ 233.2810, 10.7075,
19.0476

■ 33.4960, 24.8985,
40.7840

■ 38.1920, 22.5833,
36.6656

■ 43.7740, 19.8314,
32.6472

■ 48.4700, 17.5163,
28.5288

■ 54.0520, 14.7644,
24.5104

■ 58.7480, 12.4492,
20.3920

■ 63.4440, 10.1341,
16.2736

■ 69.0260, 7.3822,
12.2552

■ 73.7220, 5.0671,
8.1368

■ 79.3040, 2.3151,
4.1184

Harmonies

Analogous

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



34.8790, 37.0347, -25.3269



33.4960, 24.8985, 40.7840



35.6710, 6.0782, 57.2935

Triad

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



33.4960, 24.8985, 40.7840



40.5230, -19.9778, 14.4503



42.0090, 16.2646, -36.8419

Complementary

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



33.4960, 24.8985, 40.7840



50.5040, -24.8985, -40.7840

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.



37.0900, -0.0444, -32.5279



33.4960, 24.8985, 40.7840



34.4440, -16.9809, -13.5444

Square

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



33.4960, 24.8985, 40.7840



36.8560, -18.1700, 41.3453



31.6980, -15.6271, -27.7991



44.2550, 29.9473, -38.8116

Rectangle

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



33.4960, 24.8985, 40.7840



33.5330, -4.6998, 60.9226



31.6980, -15.6271, -27.7991



40.6410, 11.0230, -35.6422

Sweetspot

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



33.4960, 24.8985, 40.7840



90.0310, 9.8447, 15.7588



11.9240, 35.5335, -10.4573



43.9610, 5.9352, 9.6812



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000

Same Dimension

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



33.4960, 24.8985, 40.7840



43.6360, 32.7175, 52.9392



30.3600, 7.7105, 47.0423



38.6520, 1.1576, 2.0592



41.8700, 31.1231, 50.9800



92.5270, 68.7602, 112.6708

Inverse Universe

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



25.5720, -10.6350, 51.2414



33.4600, -14.0308, 67.1256



53.6400, -7.7105, -47.0423



38.1960, -0.5896, 2.4591



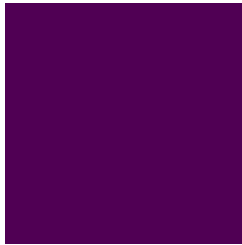
31.9650, -13.2937, 64.0517



70.6220, -29.3936, 141.5285

Previews

White Background



This preview shows how the YUV color 33.4960, 24.8985, 40.7840 looks on a white background.

Color Contrast Check

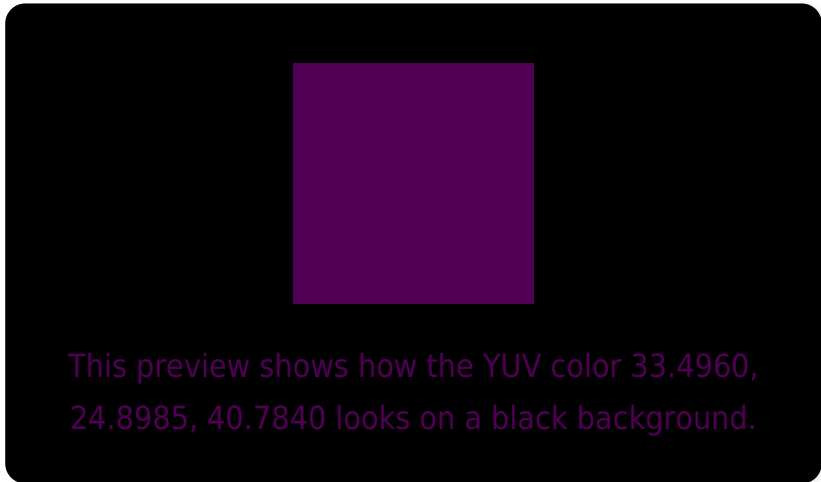
Large Text (above 18pt) WCAG AA ✓ Pass

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

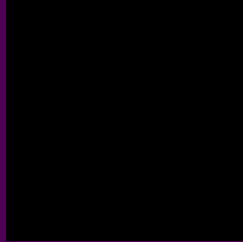
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 33.4960, 24.8985, 40.7840

Background



This preview shows how black text looks on a background with the YUV color 33.4960, 24.8985, 40.7840.



This preview shows how white text looks on a background with the YUV color 33.4960, 24.8985,

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

37.2450, 28.4732, -32.6639

Deuteranopia

43.4720, 17.5153, -17.9539

Tritanopia

45.4870, -5.1701, 25.0059

Trichromacy



Protanomaly

36.0680, 27.0815, -6.1986

Deuteranomaly

40.0000, 20.2130, 3.5080

Tritanomaly

41.0930, 5.8702, 30.6134

Monochromacy



Achromatopsia

33.0000, 0.0000, 0.0000

Achromatomaly

33.2050, 9.2659, 14.7292

CSS Examples

Text

The CSS property to change the color of the text to YUV 33.4960, 24.8985, 40.7840 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(80, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 84)  
}
```

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(80, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 84) }
```

Border

The CSS property to change the border of an element to YUV 33.4960, 24.8985, 40.7840 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(80, 0, 84) }
```

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

```
.border{ border-color:rgb(80, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 84); box-shadow:4px  
4px 4px 4px rgb(80, 0, 84) }
```


Background

The CSS property to change the background color of an element to YUV 33.4960, 24.8985, 40.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 84) }
```

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

```
.background{ background-color: rgb(80, 0,  
84) }
```

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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