

Converting Colors

YUV(33.8740, 24.7121, 7.1265)

Have a look what the booklet for
YUV(33.8740, 24.7121, 7.1265)
contains.

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Color

**YUV(33.8740, 24.7121,
7.1265)**

Conversions

Conversions Part 1

Format	Color
Hex	2A1454
RGB	42, 20, 84
RGB Percent	16%, 8%, 33%
CMY	0.8353, 0.9216, 0.6706
CMYK	0.50, 0.76, 0.00, 0.67
HSL	261°, 62%, 20%
HSV	261°, 76%, 33%
XYZ	2.8052, 1.6326, 8.5548
YIQ	33.8740, -7.4320, 24.5680

Conversions

Conversions Part 2

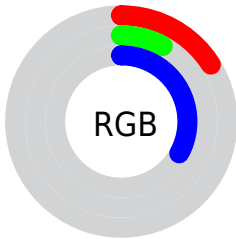
Format	Color
RYB	42, 20, 84
Decimal	2757716
CIELab	13.43, 27.68, -34.92
CIELCh	13, 44.559, 308.395
Yxy	1.6326, 0.2159, 0.1257
Android (android.graphics.Color)	4280947796 (0xFF2A1454)
YUV	33.8740, 24.7121, 7.1265
Hunter-Lab	12.7775, 16.8281, -30.7515




Details

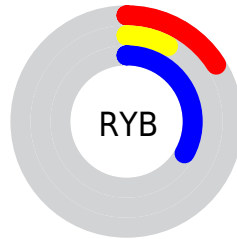
The YUV color **33.8740, 24.7121, 7.1265** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **70.1260, -24.7121, -7.1265**, and the grayscale version is **34.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **80.9390, 26.1591, 9.7005**, and **5.5060, 16.0195, -4.8288** is the 20% darker color. If you saturate the color by 10%, you get **27.3840, 27.9117, 7.5562**, and if you desaturate by 10%, it is **40.3640, 21.5125, 6.6968**.

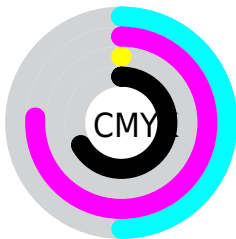
Distribution







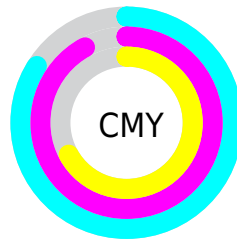
-  Red (16%)
-  Green (8%)
-  Blue (33%)






-  Red (16%)
-  Yellow (8%)
-  Blue (33%)



-  Cyan (50%)
-  Magenta (76%)
-  Yellow (0%)
-  Black (67%)



-  Cyan (84%)
-  Magenta (92%)
-  Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YUV color 33.8740, 24.7121, 7.1265 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 33.8740, 24.7121, 7.1265 by changing the saturation by 10% instead.

■ 33.8740, 24.7121,
7.1265

■ 33.8740, 24.7121,
7.1265

■ 251.4780, 1.7363,
3.0888

■ 12.5210, 23.4071,
5.6821

■ 80.9390, 26.1591,
9.7005

■ 5.5060, 16.0195,
-4.8288

■ 105.2920, 27.4640,
11.1449

■ 2.2970, 6.2626,
-2.0145

■ 130.8190, 28.1902,
11.5597

■ 0.0000, 0.0000,
0.0000

■ 157.6450, 28.7690,
12.5893

■ 184.2860, 29.9320,
12.9042

■ 210.5330, 21.9222,

15.3186

■ 235.0420, 9.8393,
17.5032

■ 33.8740, 24.7121,
7.1265

■ 33.8740, 24.7121,
7.1265

■ 27.3840, 27.9117,
7.5562

■ 40.3640, 21.5125,
6.6968

■ 20.6060, 31.2532,
9.1155

■ 47.1420, 18.1710,
5.1375

■ 18.2470, 32.4162,
9.4304

■ 53.6320, 14.9714,
4.7077

■ 60.4100, 11.6299,
3.1484

■ 66.9000, 8.4303,
2.7187

■ 73.0910, 5.3781,
1.6742

■ 80.1680, 1.8892,
0.7297

■ 86.3590, -1.1630,
-0.3148

■ 93.4360, -4.6519,
-1.2594

Harmonies

Analogous

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



32.1900, 31.9513, -28.2306



33.8740, 24.7121, 7.1265



29.3360, 14.1314, 40.9243

Triad

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



33.8740, 24.7121, 7.1265



32.3270, -15.9372, 25.1462



32.4910, 5.1809, -28.4946

Complementary

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



33.8740, 24.7121, 7.1265



70.1260, -24.7121, -7.1265

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.



27.6860, -10.6912, -24.2806



33.8740, 24.7121, 7.1265



31.8960, -15.7247, 3.5992

Square

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



33.8740, 24.7121, 7.1265



23.9200, -11.7926, 49.1822



24.6540, -12.1544, -21.6216



35.9110, 18.2849, -31.4939

Rectangle

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



33.8740, 24.7121, 7.1265



29.4480, 4.2161, 47.8421



24.6540, -12.1544, -21.6216



31.2370, 0.3762, -27.3948

Sweetspot

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



33.8740, 24.7121, 7.1265



89.6550, 10.0301, 2.9336



52.5370, 15.5113, -28.5349



43.6180, 6.1043, 2.0890



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.



33.8740, 24.7121, 7.1265



31.5660, 38.6680, 10.9046



43.1430, 20.1425, 26.1846



37.7550, 1.5998, 0.2149



22.7340, 40.5571, 11.6343



50.3680, 89.5446, 25.9873

Inverse Universe

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



43.9240, 8.9115, 35.1467



47.3100, 13.6512, 54.9791



60.8570, -20.1425, -26.1846



38.4240, 0.2840, 2.2592



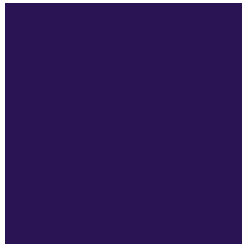
39.2610, 14.6613, 57.6531



86.6960, 32.1949, 127.4316

Previews

White Background



This preview shows how the YUV color 33.8740, 24.7121, 7.1265 looks on a white background.

Color Contrast Check

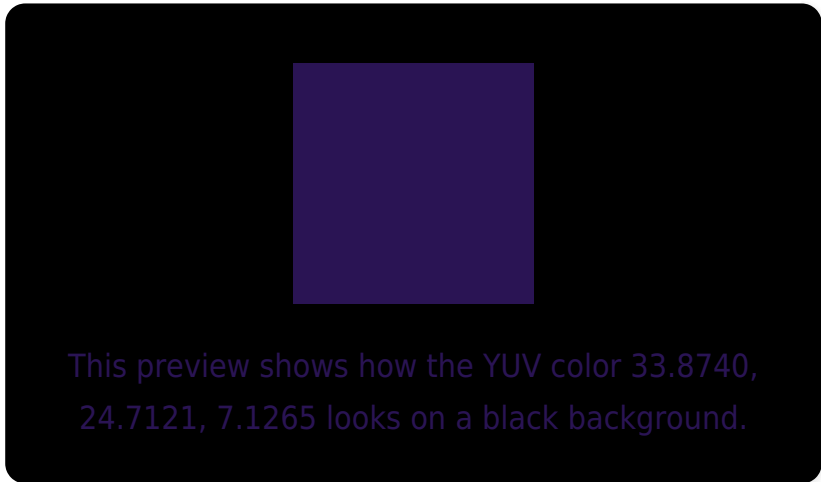
Large Text (above 18pt) WCAG AA ✓ Pass

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

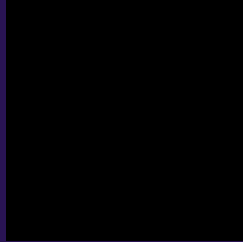
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 33.8740, 24.7121, 7.1265

Background



This preview shows how black text looks on a background with the YUV color 33.8740, 24.7121, 7.1265.



This preview shows how white text looks on a background with the YUV color 33.8740, 24.7121,

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

33.8740, 24.7121, 7.1265

Protanopia

28.1660, 21.6102, -24.7016

Deuteranopia

28.7870, 16.3740, -25.2462



Tritanopia

34.9500, 2.4897, -5.2181

Trichromacy



Original Color

33.8740, 24.7121, 7.1265

Protanomaly

30.1720, 22.5932, -13.3058

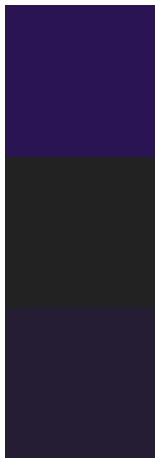
Deuteranomaly

30.6620, 19.3936, -13.7356

Tritanomaly

34.7470, 10.4777, -0.6551

Monochromacy



Original Color

33.8740, 24.7121, 7.1265

Achromatopsia

34.0000, 0.0000, 0.0000

Achromatomaly

34.0140, 8.8671, 2.6187

CSS Examples

Text

The CSS property to change the color of the text to YUV 33.8740, 24.7121, 7.1265 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(42, 20, 84)` looks like.

```
.text, #text, p{  
    color:rgb(42, 20, 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(42, 20, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 20, 84) }
```

Border

The CSS property to change the border of an element to YUV 33.8740, 24.7121, 7.1265 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(42, 20, 84) }
```


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

```
.border{ border-color:rgb(42, 20, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 20, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 20, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 20, 84);  
box-shadow:4px 4px 4px 4px rgb(42, 20, 84)  
}
```

Background

The CSS property to change the background color of an element to YUV 33.8740, 24.7121, 7.1265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 20, 84) }
```

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

```
.background{ background-color: rgb(42, 20,  
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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