

# Converting Colors

YUV(37.7330, 65.7006, 20.4052)

Have a look what the booklet for  
YUV(37.7330, 65.7006, 20.4052)  
contains.

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# Color

**YUV(37.7330, 65.7006,  
20.4052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D00AB
RGB	61, 0, 171
RGB Percent	24%, 0%, 67%
CMY	0.7608, 1.0000, 0.3294
CMYK	0.64, 1.00, 0.00, 0.33
HSL	261°, 100%, 34%
HSV	261°, 100%, 67%
XYZ	9.2752, 3.9324, 38.7982
YIQ	37.7330, -18.5350, 66.1130

# Conversions

## Conversions Part 2

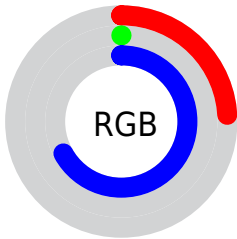
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 0, 171
Decimal	3997867
CIELab	23.45, 60.17, -73.78
CIELCh	23, 95.202, 309.197
Yxy	3.9324, 0.1783, 0.0756
Android (android.graphics.Color)	4282187947 (0xFF3D00AB)
YUV	37.7330, 65.7006, 20.4052
Hunter-Lab	19.8302, 48.7866, -102.1210

# Details

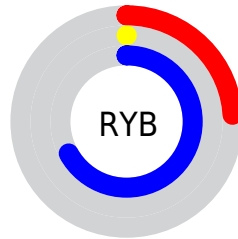
The YUV color **37.7330, 65.7006, 20.4052** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **133.2670, -65.7006, -20.4052**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.0490, 63.0798, 21.0050**, and **13.3380, 51.1054, -11.6974** is the 20% darker color. If you saturate the color by 10%, you get **37.7330, 65.7006, 20.4052**, and if you desaturate by 10%, it is **51.0010, 59.1595, 18.4161**.

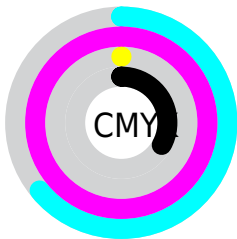
# Distribution



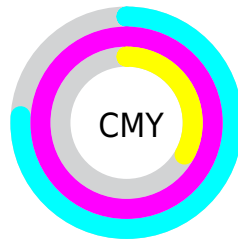
- Red (24%)
- Green (0%)
- Blue (67%)



- Red (24%)
- Yellow (0%)
- Blue (67%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (76%)
- Magenta (100%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.7330, 65.7006, 20.4052 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 37.7330, 65.7006, 20.4052 by changing the saturation by 10% instead.



■ 37.7330, 65.7006,  
20.4052

■ 37.7330, 65.7006,  
20.4052

■ 255.0000, 0.0000,  
0.0000

■ 21.2000, 60.5404,  
-4.5604

■ 100.0490, 63.0798,  
21.0050

■ 13.3380, 51.1054,  
-11.6974

■ 127.9460, 62.6376,  
22.8494

■ 10.3740, 39.7486,  
-9.0980

■ 152.1780, 50.6912,  
27.9079

■ 11.7470, 27.2397,  
-10.3021

■ 176.9970, 38.4555,  
32.4516

■ 6.7770, 18.3509,  
-5.9434

■ 202.4030, 25.9303,  
36.4806

■ 3.0950, 9.3202,  
-2.7143

■ 222.1280, 16.2059,

■ 0.0000, 0.0000,

28.8287

0.0000

■ 238.5640, 8.1029,  
14.4144

■ 37.7330, 65.7006,  
20.4052

■ 51.0010, 59.1595,  
18.4161

■ 64.2690, 52.6184,  
16.4271

■ 77.5370, 46.0773,  
14.4381

■ 90.8050, 39.5361,  
12.4490

■ 104.0730, 32.9950,  
10.4600

■ 117.9280, 26.1645,  
7.9561

■ 131.1960, 19.6234,  
5.9671

■ 144.4640, 13.0822,  
3.9781

■ 157.7320, 6.5411,  
1.9890

# Harmonies

## Analogous

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



60.8240, 70.5858, -53.3426



37.7330, 65.7006, 20.4052



56.5640, 25.3579, 80.1894

# Triad

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



37.7330, 65.7006, 20.4052



48.4290, -23.8755, 51.3668



54.5640, 11.0609, -47.8526

# Complementary

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



37.7330, 65.7006, 20.4052



133.2670, -65.7006, -20.4052

# 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.



44.0250, -21.7043, -38.6099



37.7330, 65.7006, 20.4052



50.4580, -24.8758, -1.2787

# Square

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



37.7330, 65.7006, 20.4052



44.2520, -21.8162, 90.9870



42.2640, -20.8362, -37.0655



63.8320, 41.4948, -55.9807



# Rectangle

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



37.7330, 65.7006, 20.4052



56.4030, 2.7593, 95.2396



42.2640, -20.8362, -37.0655



51.1270, 0.4304, -44.8384

# Sweetspot

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



37.7330, 65.7006, 20.4052



169.8140, 25.7277, 8.0561



84.6510, 42.5701, -74.2389



80.7460, 15.4082, 4.6078



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



37.7330, 65.7006, 20.4052



48.9290, 85.3240, 26.3723



62.8490, 53.3184, 72.0464



79.9230, 3.4890, 0.9445



33.2460, 57.5597, 18.2013



5.0140, 8.8671, 2.6187



# Inverse Universe

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



63.6690, 22.8412, 94.1293



82.6800, 29.7378, 122.1836



108.1510, -53.3184, -72.0464



81.3750, 1.2941, 4.9331



55.9080, 20.2584, 82.5187

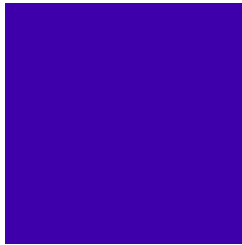


8.5870, 3.1616, 12.6402



# Previews

## White Background



This preview shows how the YUV color 37.7330, 65.7006, 20.4052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

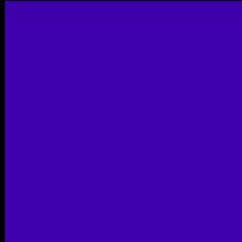
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 37.7330, 65.7006, 20.4052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

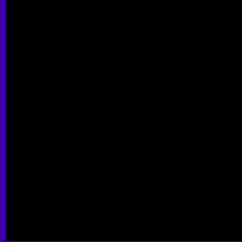
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 37.7330, 65.7006, 20.4052

## Background



This preview shows how black text looks on a background with the YUV color 37.7330, 65.7006, 20.4052.



This preview shows how white text looks on a background with the YUV color 37.7330, 65.7006,



# 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

47.0250, 35.4837, -41.2409

### Deuteranopia

47.3210, 26.4637, -41.5005

### Tritanopia

46.1350, 11.7654, -40.4604

# Trichromacy



## Protanomaly

43.4420, 46.6171, -18.8046

## Deuteranomaly

43.8350, 40.5073, -19.1493

## Tritanomaly

42.8430, 31.6294, -18.2793

# Monochromacy



## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

37.6460, 23.8385, 7.3265

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.7330, 65.7006, 20.4052 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(61, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 171)  
}
```

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(61, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 171) }
```

## Border

The CSS property to change the border of an element to YUV 37.7330, 65.7006, 20.4052 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(61, 0, 171) }
```

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

```
.border{ border-color:rgb(61, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(61, 0, 171)  
}
```



# Background

The CSS property to change the background color of an element to YUV 37.7330, 65.7006, 20.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 171) }
```

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

```
.background{ background-color: rgb(61, 0,  
171) }
```

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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