

# Converting Colors

YUV(33.8630, 81.9055, 2.7511)

Have a look what the booklet for  
YUV(33.8630, 81.9055, 2.7511)  
contains.

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# Color

**YUV(33.8630, 81.9055,  
2.7511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2500C8
RGB	37, 0, 200
RGB Percent	15%, 0%, 78%
CMY	0.8549, 1.0000, 0.2157
CMYK	0.81, 1.00, 0.00, 0.22
HSL	251°, 100%, 39%
HSV	251°, 100%, 78%
XYZ	11.1883, 4.5634, 54.9347
YIQ	33.8630, -42.1480, 70.0440

# Conversions

## Conversions Part 2

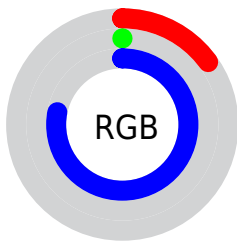
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 0, 200
Decimal	2425032
CIE <sub>Lab</sub>	25.45, 66.37, -87.75
CIE <sub>LCh</sub>	25, 110.020, 307.102
Yxy	4.5634, 0.1583, 0.0646
Android (android.graphics.Color)	4280615112 (0xFF2500C8)
YUV	33.8630, 81.9055, 2.7511
Hunter-Lab	21.3622, 56.1039, -137.5156

# Details

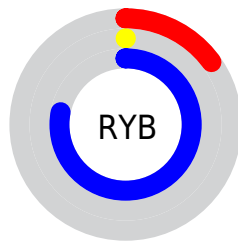
The YUV color **33.8630, 81.9055, 2.7511** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **166.1370, -81.9055, -2.7511**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.9090, 75.4739, 12.3578**, and **16.4160, 62.8989, -14.3968** is the 20% darker color. If you saturate the color by 10%, you get **33.8630, 81.9055, 2.7511**, and if you desaturate by 10%, it is **50.3870, 73.7592, 2.2916**.

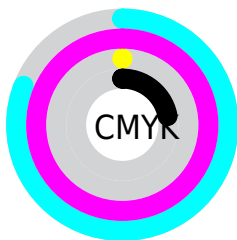
# Distribution



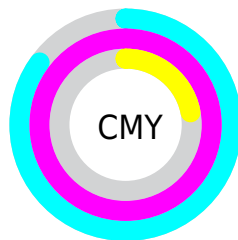
- Red (15%)
- Green (0%)
- Blue (78%)



- Red (15%)
- Yellow (0%)
- Blue (78%)



- Cyan (81%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (100%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 33.8630, 81.9055, 2.7511 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 33.8630, 81.9055, 2.7511 by changing the saturation by 10% instead.



■ 33.8630, 81.9055,  
2.7511

■ 33.8630, 81.9055,  
2.7511

■ 255.0000, 0.0000,  
0.0000

■ 19.6080, 75.1293,  
-17.1962

■ 101.9090, 75.4739,  
12.3578

■ 16.4160, 62.8989,  
-14.3968

■ 126.7390, 63.2327,  
18.6459

■ 13.3380, 51.1054,  
-11.6974

■ 152.1560, 50.7021,  
24.4192

■ 16.8310, 36.5653,  
-14.7608

■ 177.2740, 38.3189,  
29.5777

■ 11.7470, 27.2397,  
-10.3021

■ 202.9790, 25.6464,  
34.2214

■ 6.7770, 18.3509,  
-5.9434

■ 223.3020, 15.6271,


■ 3.0950, 9.3202,


27.7991


-2.7143


 240.3250, 7.2348,  
12.8700


 0.0000, 0.0000,  
0.0000


 33.8630, 81.9055,  
2.7511

 50.3870, 73.7592,  
2.2916

 67.2100, 65.4655,  
2.4468

 83.7340, 57.3191,  
1.9873

 100.2580, 49.1728,  
1.5277

 116.7820, 41.0265,  
1.0682

■ 133.6050, 32.7327,  
1.2234

■ 150.1290, 24.5864,  
0.7639

■ 166.6530, 16.4401,  
0.3043

■ 183.4760, 8.1463,  
0.4595

# Harmonies

## Analogous

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



69.7550, 81.9588, -61.1751



33.8630, 81.9055, 2.7511



63.6280, 31.7354, 88.0262

# Triad

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



33.8630, 81.9055, 2.7511



46.7560, -23.0507, 66.8660



58.4280, 10.6350, -51.2414

# Complementary

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



33.8630, 81.9055, 2.7511



166.1370, -81.9055, -2.7511

# 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.



48.1340, -23.7301, -42.2135



33.8630, 81.9055, 2.7511



55.1980, -27.2126, 1.5804

# Square

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



33.8630, 81.9055, 2.7511



50.5310, -24.9118, 103.8973



45.1990, -22.2831, -39.6395



69.6510, 46.0211, -61.0839



# Rectangle

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



33.8630, 81.9055, 2.7511



63.9360, 4.4686, 107.0501



45.1990, -22.2831, -39.6395



54.4210, -2.1796, -47.7272

# Sweetspot

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



33.8630, 81.9055, 2.7511



191.8500, 31.1330, 1.0086



118.4810, 40.1889, -103.9078



89.6360, 18.9135, 0.3192



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



33.8630, 81.9055, 2.7511



43.1230, 104.4554, 3.4001



63.7630, 67.1648, 64.2288



91.3250, 3.7838, -0.2850



27.5520, 66.7759, 2.1469



6.1970, 14.6929, 0.7042



# Inverse Universe

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



78.3820, 41.7167, 106.6590



99.9570, 53.2652, 135.9727



136.2370, -67.1648, -64.2288



93.6030, 2.1677, 4.7332



63.8990, 34.0668, 86.9116

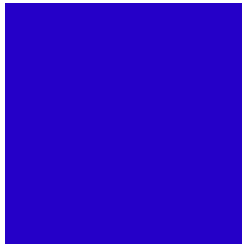


14.0700, 7.3605, 19.2326



# Previews

## White Background



This preview shows how the YUV color 33.8630, 81.9055, 2.7511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

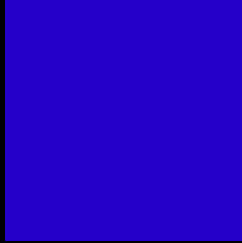
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 33.8630, 81.9055, 2.7511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

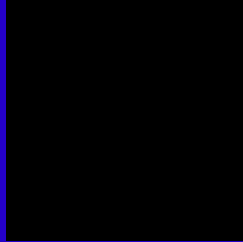
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 33.8630, 81.9055, 2.7511

## Background



This preview shows how black text looks on a background with the YUV color 33.8630, 81.9055, 2.7511.



This preview shows how white text looks on a background with the YUV color 33.8630, 81.9055,



# 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

49.6980, 38.1099, -43.5851

### Deuteranopia

50.3530, 27.9270, -44.1596

### Tritanopia

48.8250, 11.9183, -42.8195

# Trichromacy



## Protanomaly

43.7490, 54.3537, -26.9669

## Deuteranomaly

44.0280, 47.8072, -27.2116

## Tritanomaly

43.2810, 37.3295, -26.5564

# Monochromacy



## Achromatopsia

34.0000, 0.0000, 0.0000

## Achromatomaly

34.0950, 29.5332, 0.7937

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 33.8630, 81.9055, 2.7511 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(37, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(37, 0, 200)  
}
```

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(37, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 0, 200) }
```

## Border

The CSS property to change the border of an element to YUV 33.8630, 81.9055, 2.7511 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(37, 0, 200) }
```

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

```
.border{ border-color:rgb(37, 0, 200) }
```

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

Here you see how a box with a 4 pixel rgb(37, 0, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(37, 0, 200)  
}
```



# Background

The CSS property to change the background color of an element to YUV 33.8630, 81.9055, 2.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 0, 200) }
```

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

```
.background{ background-color: rgb(37, 0,  
200) }
```

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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