

# Converting Colors

YUV(35.5510, 31.2804, 0.3938)

Have a look what the booklet for  
YUV(35.5510, 31.2804, 0.3938)  
contains.

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# Color

**YUV(35.5510, 31.2804,  
0.3938)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	241763
RGB	36, 23, 99
RGB Percent	14%, 9%, 39%
CMY	0.8588, 0.9098, 0.6118
CMYK	0.64, 0.77, 0.00, 0.61
HSL	250°, 62%, 24%
HSV	250°, 77%, 39%
XYZ	3.2861, 1.8887, 11.9957
YIQ	35.5510, -16.6480, 26.3920

# Conversions

## Conversions Part 2

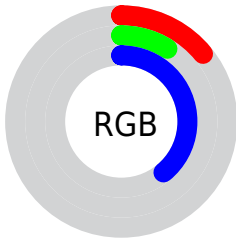
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 23, 99
Decimal	2365283
CIELab	14.89, 29.73, -42.62
CIElCh	15, 51.962, 304.901
Yxy	1.8887, 0.1914, 0.1100
Android (android.graphics.Color)	4280555363 (0xFF241763)
YUV	35.5510, 31.2804, 0.3938
Hunter-Lab	13.7430, 18.6306, -42.1317




# Details

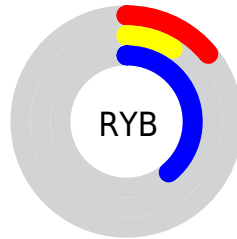
The YUV color **35.5510, 31.2804, 0.3938** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **86.4490, -31.2804, -0.3938**, and the grayscale version is **35.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **83.7410, 33.1587, 4.6121**, and **5.8140, 22.2767, -5.0989** is the 20% darker color. If you saturate the color by 10%, you get **27.2890, 35.3535, 0.6235**, and if you desaturate by 10%, it is **43.8130, 27.2072, 0.1640**.

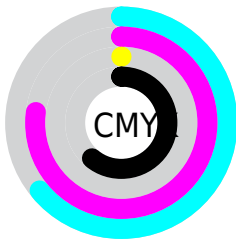
# Distribution







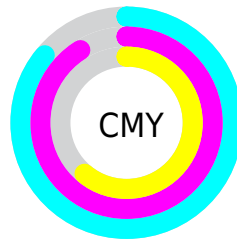
-  Red (14%)
-  Green (9%)
-  Blue (39%)






-  Red (14%)
-  Yellow (9%)
-  Blue (39%)



-  Cyan (64%)
-  Magenta (77%)
-  Yellow (0%)
-  Black (61%)



-  Cyan (86%)
-  Magenta (91%)
-  Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 35.5510, 31.2804, 0.3938 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 35.5510, 31.2804, 0.3938 by changing the saturation by 10% instead.



■ 35.5510, 31.2804,  
0.3938

■ 35.5510, 31.2804,  
0.3938

■ 253.8260, 0.5788,  
1.0296

■ 10.0340, 32.0282,  
-6.1688

■ 83.7410, 33.1587,  
4.6121

■ 5.8140, 22.2767,  
-5.0989

■ 108.3930, 34.3163,  
6.6713

■ 4.4800, 12.0884,  
-3.9290

■ 134.2190, 34.8950,  
7.7009

■ 0.0000, 0.0000,  
0.0000

■ 160.8600, 36.0580,  
8.0158

■ 187.7740, 33.1424,  
9.8452

■ 211.9950, 21.2015,

13.1594

236.8030, 8.9711,  
15.9588

35.5510, 31.2804,  
0.3938

35.5510, 31.2804,  
0.3938

27.2890, 35.3535,  
0.6235

43.8130, 27.2072,  
0.1640

19.0270, 39.4267,  
0.8533

52.0750, 23.1340,  
-0.0658

16.3690, 40.7371,  
0.5534

60.6360, 18.9135,  
0.3192

68.8980, 14.8403,  
0.0895

77.1600, 10.7671,  
-0.1403

■ 84.8350, 6.9833,  
0.1447

■ 93.0970, 2.9102,  
-0.0851

■ 101.6580, -1.3104,  
0.2999

■ 109.9200, -5.3836,  
0.0702

# Harmonies

## Analogous

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



37.5360, 37.2038, -32.9191



35.5510, 31.2804, 0.3938



32.6830, 17.9043, 44.1280

# Triad

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



35.5510, 31.2804, 0.3938



34.1430, -16.8325, 32.3236



34.8390, 4.0234, -30.5538

# Complementary

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



35.5510, 31.2804, 0.3938



86.4490, -31.2804, -0.3938

# 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.



29.3500, -14.4695, -25.7399



35.5510, 31.2804, 0.3938



34.8640, -17.1880, 6.2583

# Square

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



35.5510, 31.2804, 0.3938



27.2090, -13.4140, 55.9447



27.0020, -13.3120, -23.6808



38.9430, 19.7481, -34.1530



# Rectangle

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



35.5510, 31.2804, 0.3938



33.5350, 5.6522, 53.9048



27.0020, -13.3120, -23.6808



33.3570, -1.6550, -29.2541

# Sweetspot

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



35.5510, 31.2804, 0.3938



102.9150, 12.3669, 0.0745



68.6450, 14.9650, -40.0307



48.9490, 7.4201, 0.0447



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



35.5510, 31.2804, 0.3938



29.4320, 48.5940, 0.4981



46.9130, 25.6789, 23.7553



44.4560, 1.7472, -0.3999



18.4490, 46.1206, 0.4832



39.6190, 98.7878, 1.2111



# Inverse Universe

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



52.9060, 16.3153, 40.4244



56.3400, 24.9754, 62.8458



75.0870, -25.6789, -23.7553



45.6520, 1.1576, 2.0592



44.0900, 24.1126, 59.5571

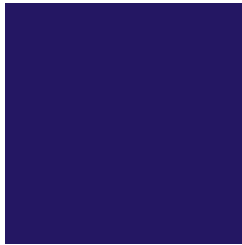


94.4460, 51.5451, 127.6509



# Previews

## White Background



This preview shows how the YUV color 35.5510, 31.2804, 0.3938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

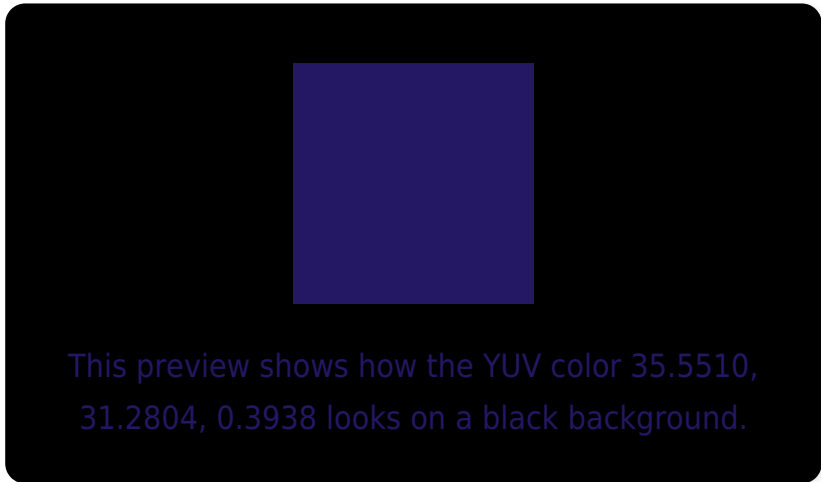
Any Text WCAG AA ✓ Pass

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

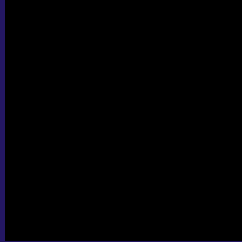
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 35.5510, 31.2804, 0.3938

## Background



This preview shows how black text looks on a background with the YUV color 35.5510, 31.2804, 0.3938.



This preview shows how white text looks on a background with the YUV color 35.5510, 31.2804,



# 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

35.5510, 31.2804, 0.3938

### Protanopia

30.6110, 23.3628, -26.8458

### Deuteranopia

31.1180, 17.6898, -27.2905



## Tritanopia

30.4850, 7.6489, -26.7353

# Trichromacy



## Original Color

35.5510, 31.2804, 0.3938

## Protanomaly

32.4750, 26.3878, -17.0796

## Deuteranomaly

32.8510, 22.7515, -17.4093

## Tritanomaly

32.4290, 16.0575, -17.0392

# Monochromacy



## Original Color

35.5510, 31.2804, 0.3938

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

35.6870, 11.4933, 0.2745

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 35.5510, 31.2804, 0.3938 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(36, 23, 99)` looks like.

```
.text, #text, p{  
    color:rgb(36, 23, 99)  
}
```

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(36, 23, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 23, 99) }
```

## Border

The CSS property to change the border of an element to YUV 35.5510, 31.2804, 0.3938 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(36, 23, 99) }
```



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

```
.border{ border-color:rgb(36, 23, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 23, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 23, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 23, 99);  
box-shadow:4px 4px 4px 4px rgb(36, 23, 99)  
}
```

# Background

The CSS property to change the background color of an element to YUV 35.5510, 31.2804, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 23, 99) }
```

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

```
.background{ background-color: rgb(36, 23,  
99) }
```

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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