

# Converting Colors

YUV(36.6940, 44.5209, 0.2684)

Have a look what the booklet for  
YUV(36.6940, 44.5209, 0.2684)  
contains.

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# Color

**YUV(36.6940, 44.5209,  
0.2684)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	25137F
RGB	37, 19, 127
RGB Percent	15%, 7%, 50%
CMY	0.8549, 0.9255, 0.5020
CMYK	0.71, 0.85, 0.00, 0.50
HSL	250°, 74%, 29%
HSV	250°, 85%, 50%
XYZ	4.8266, 2.3914, 20.2859
YIQ	36.6940, -23.9400, 37.4040

# Conversions

## Conversions Part 2

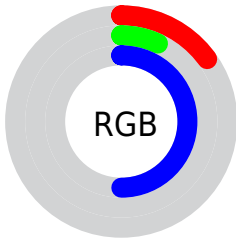
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 19, 127
Decimal	2429823
CIELab	17.42, 41.10, -56.61
CIElCh	17, 69.957, 305.984
Yxy	2.3914, 0.1755, 0.0869
Android (android.graphics.Color)	4280619903 (0xFF25137F)
YUV	36.6940, 44.5209, 0.2684
Hunter-Lab	15.4640, 28.6508, -66.9523

# Details

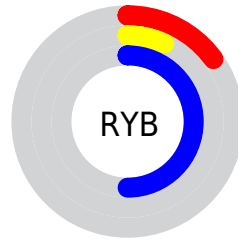
The YUV color **36.6940, 44.5209, 0.2684** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **109.3060, -44.5209, -0.2684**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.3790, 45.6622, 7.5606**, and **8.7780, 33.6334, -7.6983** is the 20% darker color. If you saturate the color by 10%, you get **25.7740, 49.9044, 0.1982**, and if you desaturate by 10%, it is **47.6140, 39.1373, 0.3385**.

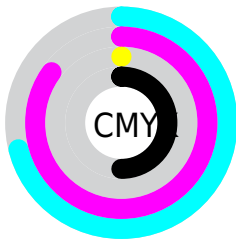
# Distribution



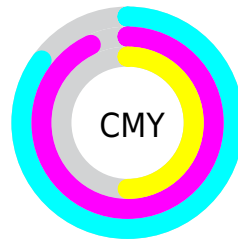
- Red (15%)
- Green (7%)
- Blue (50%)



- Red (15%)
- Yellow (7%)
- Blue (50%)



- Cyan (71%)
- Magenta (85%)
- Yellow (0%)
- Black (50%)



- Cyan (85%)
- Magenta (93%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.6940, 44.5209, 0.2684 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 36.6940, 44.5209, 0.2684 by changing the saturation by 10% instead.



■ 36.6940, 44.5209,  
0.2684

■ 36.6940, 44.5209,  
0.2684

■ 253.8260, 0.5788,  
1.0296

■ 11.5140, 44.1166,  
-10.0978

■ 88.3790, 45.6622,  
7.5606

■ 8.7780, 33.6334,  
-7.6983

■ 114.0310, 46.8197,  
9.6198

■ 8.9770, 21.7033,  
-7.8728

■ 140.9710, 47.8353,  
10.5494

■ 4.7080, 12.9620,  
-4.1289

■ 166.8420, 43.4619,  
13.2936

■ 0.1140, 0.4368,  
-0.1000


■ 191.3620, 31.3735,  
17.2225


■ 0.0000, 0.0000,  
0.0000


■ 215.8820, 19.2852,


21.1515


 236.8030, 8.9711,  
15.9588


 36.6940, 44.5209,  
0.2684


 36.6940, 44.5209,  
0.2684


 25.7740, 49.9044,  
0.1982


 47.6140, 39.1373,  
0.3385

 20.7570, 52.3778,  
0.2131

 57.6480, 34.1905,  
0.3087

 68.5680, 28.8070,  
0.3789

 79.1890, 23.5708,  
-0.1658

 90.1090, 18.1873,  
-0.0956

■ 100.4420, 13.0931,  
0.4894

■ 111.0630, 7.8569,  
-0.0553

■ 121.9830, 2.4734,  
0.0149

■ 132.0170, -2.4734,  
-0.0149

# Harmonies

## Analogous

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



45.5210, 50.0291, -39.9219



36.6940, 44.5209, 0.2684



41.0850, 21.6501, 56.0535

# Triad

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



36.6940, 44.5209, 0.2684



37.1550, -18.3174, 41.9601



41.1480, 5.3500, -36.0868

# Complementary

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



36.6940, 44.5209, 0.2684



109.3060, -44.5209, -0.2684

# 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.



34.0460, -16.7847, -29.8583



36.6940, 44.5209, 0.2684



39.8700, -19.6559, 4.4990

# Square

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



36.6940, 44.5209, 0.2684



33.4880, -16.5096, 68.8550



31.6980, -15.6271, -27.7991



46.8480, 27.1899, -41.0857



# Rectangle

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



36.6940, 44.5209, 0.2684



41.8080, 5.0247, 68.5744



31.6980, -15.6271, -27.7991



38.5090, -2.2229, -33.7724

# Sweetspot

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



36.6940, 44.5209, 0.2684



129.9950, 17.7505, 0.0044



84.1420, 21.1290, -57.1295



62.1600, 10.7671, -0.1403



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



36.6940, 44.5209, 0.2684



27.2960, 68.3811, 0.6174



52.8400, 36.5609, 33.4663



58.0970, 2.9102, -0.0851



20.8710, 52.8146, 0.1131



0.0000, 0.0000, 0.0000



# Inverse Universe

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



61.5520, 23.3919, 57.3979



65.3660, 35.8086, 88.2560



93.1600, -36.5609, -33.4663



59.7770, 1.5889, 3.7036



50.3560, 27.4325, 68.0938

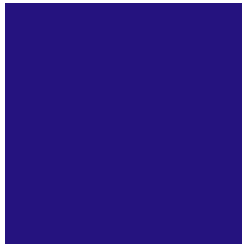


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 36.6940, 44.5209, 0.2684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

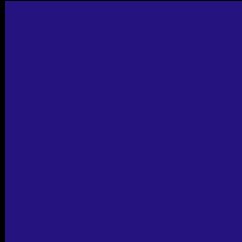
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 36.6940, 44.5209, 0.2684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

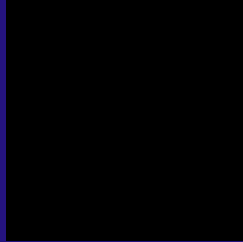
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.6940, 44.5209, 0.2684

## Background



This preview shows how black text looks on a background with the YUV color 36.6940, 44.5209, 0.2684.



This preview shows how white text looks on a background with the YUV color 36.6940, 44.5209,



# 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

36.6940, 44.5209, 0.2684

### Protanopia

35.3870, 26.4312, -31.0344

### Deuteranopia

35.0790, 20.1741, -30.7643



## Tritanopia

34.6910, 8.5333, -30.4240

# Trichromacy



## Original Color

36.6940, 44.5209, 0.2684

## Protanomaly

35.5870, 33.2346, -19.8088

## Deuteranomaly

35.8490, 29.1614, -20.0386

## Tritanomaly

35.1990, 21.5939, -19.4685

# Monochromacy



## Original Color

36.6940, 44.5209, 0.2684

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

36.6530, 16.4401, 0.3043

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.6940, 44.5209, 0.2684 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, 19, 127)` looks like.

```
.text, #text, p{  
    color:rgb(37, 19, 127)  
}
```

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, 19, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 19, 127) }
```

## Border

The CSS property to change the border of an element to YUV 36.6940, 44.5209, 0.2684 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, 19, 127) }
```



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

```
.border{ border-color:rgb(37, 19, 127) }
```

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

Here you see how a box with a 4 pixel rgb(37, 19, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 19, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 19, 127);  
box-shadow:4px 4px 4px 4px rgb(37, 19,  
127) }
```

# Background

The CSS property to change the background color of an element to YUV 36.6940, 44.5209, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 19, 127) }
```

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

```
.background{ background-color: rgb(37, 19,  
127) }
```

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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