

# Converting Colors

YUV(36.8500, -8.8000, 69.4146)

Have a look what the booklet for  
YUV(36.8500, -8.8000, 69.4146)  
contains.

<b>YUV(36.8500, -8.8000, 69.4146)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(36.8500, -8.8000,  
69.4146)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	740013
RGB	116, 0, 19
RGB Percent	45%, 0%, 7%
CMY	0.5451, 1.0000, 0.9255
CMYK	0.00, 1.00, 0.84, 0.55
HSL	350°, 100%, 23%
HSV	350°, 100%, 45%
XYZ	7.3200, 3.7600, 0.9560
YIQ	36.8500, 63.0370, 30.5010

# Conversions

## Conversions Part 2

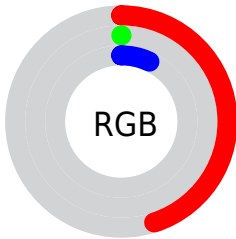
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 0, 19
Decimal	7602195
CIE <sub>Lab</sub>	22.86, 45.22, 25.74
CIE <sub>LCh</sub>	23, 52.036, 29.650
Yxy	3.7600, 0.6082, 0.3124
Android (android.graphics.Color)	4285792275 (0xFF740013)
YUV	36.8500, -8.8000, 69.4146
Hunter-Lab	19.3908, 33.4498, 10.6503

# Details

The YUV color **36.8500, -8.8000, 69.4146** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **79.1500, 8.8000, -69.4146**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.8470, -17.6726, 68.5402**, and **18.0540, -8.4076, 36.7866** is the 20% darker color. If you saturate the color by 10%, you get **36.8500, -8.8000, 69.4146**, and if you desaturate by 10%, it is **45.0340, -7.9048, 62.2372**.

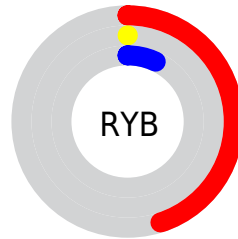
# Distribution



Red (45%)

Green (0%)

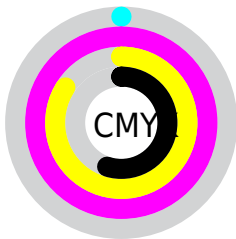
Blue (7%)



Red (45%)

Yellow (0%)

Blue (7%)

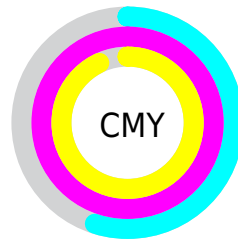


Cyan (0%)

Magenta (100%)

Yellow (84%)

Black (55%)



Cyan (55%)

Magenta (100%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.8500, -8.8000, 69.4146 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 36.8500, -8.8000, 69.4146 by changing the saturation by 10% instead.



36.8500, -8.8000,  
69.4146

36.8500, -8.8000,  
69.4146

253.7460, -4.8048,  
1.0998

26.3120, -12.9718,  
54.1004

96.8470, -17.6726,  
68.5402

18.0540, -8.4076,  
36.7866

123.8150,  
-19.1358, 71.1992

8.4860, -3.6906,  
17.1138

150.7830,  
-20.5990, 73.8583


0.0000, 0.0000,  
0.0000


175.4620,  
-20.4408, 69.7548


194.9760,  
-16.7502, 52.6410


214.4900,


-13.0596, 35.5273


 234.5910, -9.6584,  
17.8987


 36.8500, -8.8000,  
69.4146

 45.0340, -7.9048,  
62.2372

 52.5170, -7.1569,  
55.6746

 60.7010, -6.2616,  
48.4972

 68.2980, -5.0769,  
41.8347

 76.4820, -4.1816,  
34.6573

■ 84.5520, -3.7231,  
27.5799

■ 92.1490, -2.5385,  
20.9173

■ 100.3330, -1.6432,  
13.7400

■ 107.8160, -0.8953,  
7.1774

# Harmonies

## Analogous

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



41.7800, 7.5035, 66.8449



36.8500, -8.8000, 69.4146



49.8470, -24.5746, 42.2302

# Triad

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



36.8500, -8.8000, 69.4146



40.9420, -15.7474, -35.9061



50.4960, 41.1675, -44.2850

# Complementary

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



36.8500, -8.8000, 69.4146



79.1500, 8.8000, -69.4146

# 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.



53.8240, 33.6108, -47.2036



36.8500, -8.8000, 69.4146



47.1320, 2.8929, -41.3348

# Square

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



36.8500, -8.8000, 69.4146



45.6520, -22.5064, -14.6038



51.5780, 19.9280, -45.2339



52.7070, 34.6544, -8.5130



# Rectangle

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



36.8500, -8.8000, 69.4146



51.7970, -25.5359, 23.8570



51.5780, 19.9280, -45.2339



52.6160, 39.1363, -46.1442

# Sweetspot

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



36.8500, -8.8000, 69.4146



119.3670, -3.1389, 26.8651



42.2270, 36.3701, 48.0359



57.8280, -2.3802, 16.8138



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



36.8500, -8.8000, 69.4146



47.7000, -11.1911, 89.7171



57.5770, -28.3855, 51.2370



54.9080, -0.4476, 3.5887



38.7580, -9.2477, 73.0032



79.4240, -18.9430, 149.5952



# Inverse Universe

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



36.8500, -8.8000, 69.4146



47.7000, -11.1911, 89.7171



58.4230, 28.3855, -51.2370



54.9080, -0.4476, 3.5887



38.7580, -9.2477, 73.0032

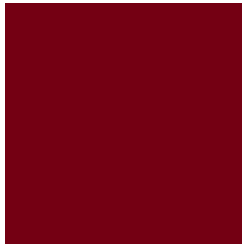


79.4240, -18.9430, 149.5952



# Previews

## White Background



This preview shows how the YUV color 36.8500, -8.8000, 69.4146 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

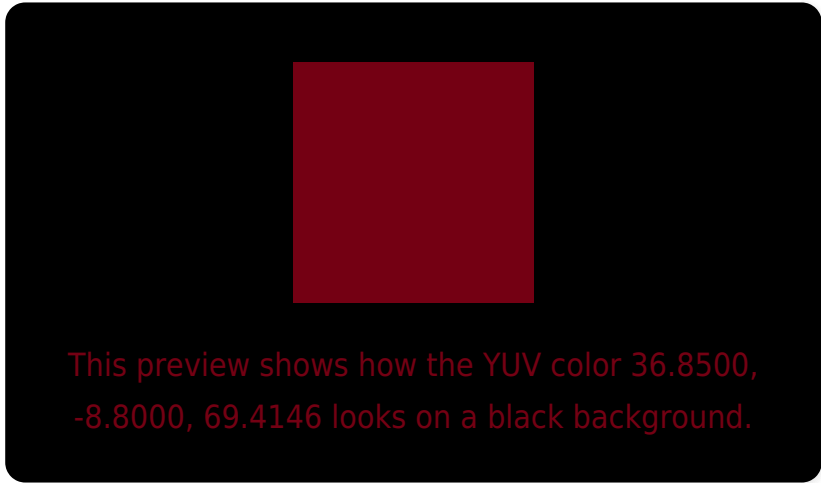
Any Text WCAG AA ✓ Pass

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 36.8500, -8.8000, 69.4146**

## **Background**



This preview shows how black text looks on a background with the YUV color 36.8500, -8.8000, 69.4146.



This preview shows how white text looks on a background with the YUV color 36.8500, -8.8000,



# 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

36.8500, -8.8000, 69.4146

### Protanopia

57.4880, -13.5516, 6.5880

### Deuteranopia

55.5680, -24.9300, 16.1649



## Tritanopia

40.2550, -19.8457, 65.5514

# Trichromacy



## Original Color

36.8500, -8.8000, 69.4146

## Protanomaly

50.3860, -12.0223, 29.4795

## Deuteranomaly

48.8830, -19.1693, 35.1826

## Tritanomaly

38.7050, -15.6306, 66.9107

# Monochromacy



## Original Color

36.8500, -8.8000, 69.4146

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.2420, -3.5703, 25.2208

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.8500, -8.8000, 69.4146 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(116, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(116, 0, 19)  
}
```

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(116, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 19) }
```

## Border

The CSS property to change the border of an element to YUV 36.8500, -8.8000, 69.4146 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(116, 0, 19) }
```



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

```
.border{ border-color:rgb(116, 0, 19) }
```

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

Here you see how a box with a 4 pixel rgb(116, 0, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(116, 0, 19)  
}
```

# Background

The CSS property to change the background color of an element to YUV 36.8500, -8.8000, 69.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 19) }
```

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

```
.background{ background-color: rgb(116, 0,  
19) }
```

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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