

# Converting Colors

YUV(37.7840, -8.7675, 58.9484)

Have a look what the booklet for  
YUV(37.7840, -8.7675, 58.9484)  
contains.

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# Color

**YUV(37.7840, -8.7675,  
58.9484)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	690714
RGB	105, 7, 20
RGB Percent	41%, 3%, 8%
CMY	0.5882, 0.9725, 0.9216
CMYK	0.00, 0.93, 0.81, 0.59
HSL	352°, 87%, 22%
HSV	352°, 93%, 41%
XYZ	6.0279, 3.2057, 0.9629
YIQ	37.7840, 54.2350, 24.8190

# Conversions

## Conversions Part 2

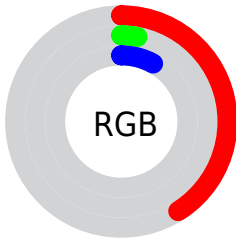
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	105, 7, 20
Decimal	6883092
CIE <sub>Lab</sub>	20.85, 40.56, 22.18
CIE <sub>LCh</sub>	21, 46.226, 28.667
Yxy	3.2057, 0.5912, 0.3144
Android (android.graphics.Color)	4285073172 (0xFF690714)
YUV	37.7840, -8.7675, 58.9484
Hunter-Lab	17.9045, 28.7629, 9.3446

# Details

The YUV color **37.7840, -8.7675, 58.9484** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **74.2160, 8.7675, -58.9484**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.0740, -15.3195, 60.4481**, and **15.6620, -7.2284, 31.8684** is the 20% darker color. If you saturate the color by 10%, you get **32.9910, -9.3626, 63.1519**, and if you desaturate by 10%, it is **45.2670, -8.0196, 52.3858**.

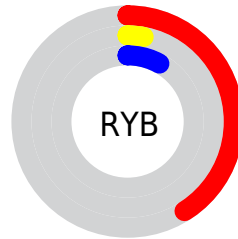
# Distribution



Red (41%)

Green (3%)

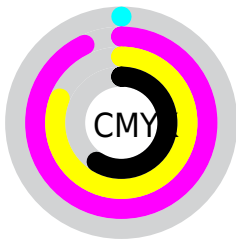
Blue (8%)



Red (41%)

Yellow (3%)

Blue (8%)

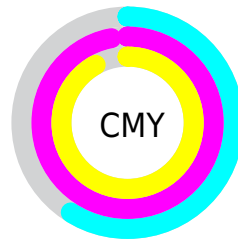


Cyan (0%)

Magenta (93%)

Yellow (81%)

Black (59%)



Cyan (59%)

Magenta (97%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 37.7840, -8.7675, 58.9484 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 37.7840, -8.7675, 58.9484 by changing the saturation by 10% instead.





 37.7840, -8.7675,  
58.9484

 37.7840, -8.7675,  
58.9484


 253.8600, -4.3680,  
0.9998

 23.0230, -11.3503,  
47.3378


 93.0740, -15.3195,  
60.4481


 15.6620, -7.2284,  
31.8684

 120.0420,  
-16.7827, 63.1072

 0.8970, -0.4422,  
1.8443

 147.0100,  
-18.2459, 65.7662


 0.0000, 0.0000,  
0.0000


 174.6790,  
-19.5617, 67.8105


 194.3890,  
-16.4608, 53.1558


 214.0170,


-12.3334, 35.9421


 233.5310, -8.6428,  
18.8283


 37.7840, -8.7675,  
58.9484


 37.7840, -8.7675,  
58.9484


 32.9910, -9.3626,  
63.1519

 45.2670, -8.0196,  
52.3858

 52.1630, -6.9824,  
46.3380

 59.6460, -6.2345,  
39.7755

 66.5420, -5.1972,  
33.7277

 73.5520, -3.7231,  
27.5799

■ 81.0350, -2.9753,  
21.0173

■ 88.5180, -2.2274,  
14.4547

■ 95.4140, -1.1901,  
8.4069

■ 102.8970, -0.4422,  
1.8443

# Harmonies

## Analogous

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



37.7360, 7.5252, 59.8675



37.7840, -8.7675, 58.9484



46.2810, -22.8165, 38.3416

# Triad

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



37.7840, -8.7675, 58.9484



37.5340, -13.5743, -32.9173



45.8510, 36.0625, -40.2113

# Complementary

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



37.7840, -8.7675, 58.9484



74.2160, 8.7675, -58.9484

# 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.



48.8200, 29.6687, -42.8151



37.7840, -8.7675, 58.9484



43.0400, 2.4453, -37.7461

# Square

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



37.7840, -8.7675, 58.9484



42.7280, -21.0649, -10.2855



46.9160, 17.2964, -41.1453



48.9690, 30.5813, -8.7428



# Rectangle

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



37.7840, -8.7675, 58.9484



47.6550, -23.4939, 22.2276



46.9160, 17.2964, -41.1453



47.4980, 34.7575, -41.6557

# Sweetspot

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



37.7840, -8.7675, 58.9484



111.2310, -3.5649, 23.4764



43.5870, 30.2766, 42.4582



52.6320, -1.7906, 14.3547



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



37.7840, -8.7675, 58.9484



43.3140, -12.4798, 83.0396



57.4340, -24.8640, 41.7154



49.9080, -0.4476, 3.5887



36.8070, -10.2579, 70.3293



76.9030, -22.1372, 147.4211



# Inverse Universe

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



37.7840, -8.7675, 58.9484



43.3140, -12.4798, 83.0396



54.5660, 24.8640, -41.7154



49.9080, -0.4476, 3.5887



36.8070, -10.2579, 70.3293

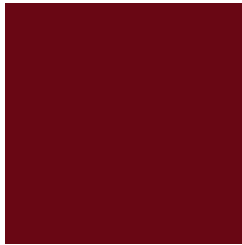


76.9030, -22.1372, 147.4211



# Previews

## White Background



This preview shows how the YUV color 37.7840, -8.7675, 58.9484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

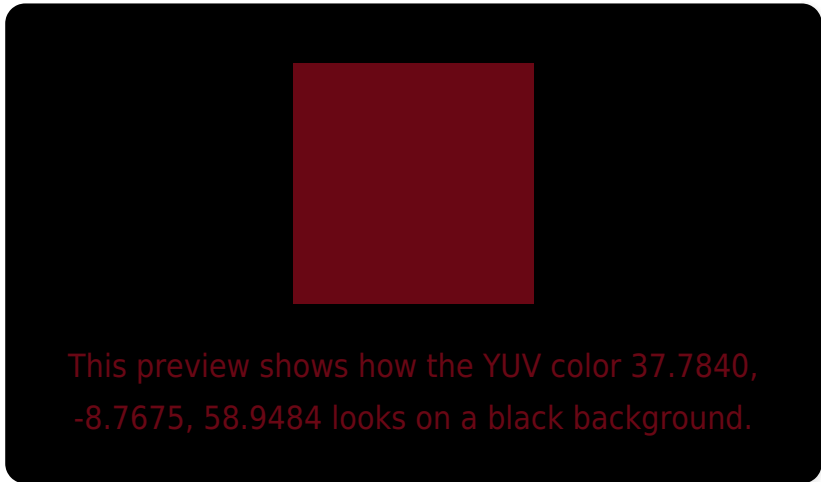
Any Text WCAG AA ✓ Pass

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

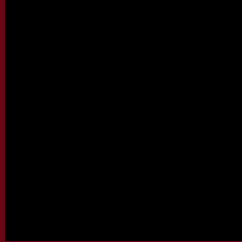
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 37.7840, -8.7675, 58.9484

## Background



This preview shows how black text looks on a background with the YUV color 37.7840, -8.7675, 58.9484.



This preview shows how white text looks on a background with the YUV color 37.7840, -8.7675,



# 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

37.7840, -8.7675, 58.9484

### Protanopia

51.9870, -10.3466, 5.2734

### Deuteranopia

51.3380, -19.3936, 13.7356



## Tritanopia

37.9490, -15.7509, 58.8037

# Trichromacy



## Original Color

37.7840, -8.7675, 58.9484

## Protanomaly

46.6350, -9.6801, 24.8761

## Deuteranomaly

46.4740, -15.5167, 30.2793

## Tritanomaly

37.9320, -13.2775, 58.8186

# Monochromacy



## Original Color

37.7840, -8.7675, 58.9484

## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

37.9210, -3.4121, 21.1173

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.7840, -8.7675, 58.9484 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(105, 7, 20)` looks like.

```
.text, #text, p{  
    color:rgb(105, 7, 20)  
}
```

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(105, 7, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 7, 20) }
```

## Border

The CSS property to change the border of an element to YUV 37.7840, -8.7675, 58.9484 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(105, 7, 20) }
```



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

```
.border{ border-color:rgb(105, 7, 20) }
```

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

Here you see how a box with a 4 pixel rgb(105, 7, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 7, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 7, 20);  
box-shadow:4px 4px 4px 4px rgb(105, 7, 20)  
}
```

# Background

The CSS property to change the background color of an element to YUV 37.7840, -8.7675, 58.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 7, 20) }
```

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

```
.background{ background-color: rgb(105, 7,  
20) }
```

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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