

# Converting Colors

YUV(38.6740, -18.5733,  
77.4619)

Have a look what the booklet for  
YUV(38.6740, -18.5733, 77.4619)  
contains.

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# Color

**YUV(38.6740, -18.5733,  
77.4619)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F0101
RGB	127, 1, 1
RGB Percent	50%, 0%, 0%
CMY	0.5020, 0.9961, 0.9961
CMYK	0.00, 0.99, 0.99, 0.50
HSL	0°, 98%, 25%
HSV	0°, 99%, 50%
XYZ	8.7687, 4.5359, 0.4421
YIQ	38.6740, 75.0960, 26.7120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 1, 1
Decimal	8323329
CIELab	25.37, 47.61, 37.42
CIELCh	25, 60.555, 38.164
Yxy	4.5359, 0.6379, 0.3300
Android (android.graphics.Color)	4286513409 (0xFF7F0101)
YUV	38.6740, -18.5733, 77.4619
Hunter-Lab	21.2977, 36.2213, 13.6777

# Details

The YUV color **38.6740, -18.5733, 77.4619** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **89.3260, 18.5733, -77.4619**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.8990, -26.5722, 76.3876**, and **20.3320, -10.0237, 41.8048** is the 20% darker color. If you saturate the color by 10%, you get **37.9730, -18.7207, 78.0767**, and if you desaturate by 10%, it is **47.7870, -16.6570, 69.4698**.

# Distribution



Red (50%)

Green (0%)

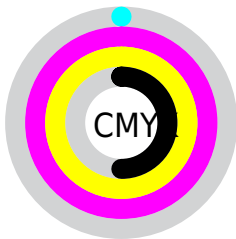
Blue (0%)



Red (50%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (50%)



Cyan (50%)

Magenta (100%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 38.6740, -18.5733, 77.4619 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 38.6740, -18.5733, 77.4619 by changing the saturation by 10% instead.




 38.6740, -18.5733,  
77.4619


 38.6740, -18.5733,  
77.4619


 251.9220,  
-11.7935, 2.6994

 29.0030, -14.2985,  
59.6334

 100.8990,  
-26.5722, 76.3876


 20.3320, -10.0237,  
41.8048


 127.7530,  
-28.4722, 79.1466

 12.3730, -5.6069,  
25.1059

 155.9060,  
-30.5197, 82.5204


 0.0000, 0.0000,  
0.0000


 176.1000,  
-28.1503, 69.1953


 195.5000,  
-24.8965, 52.1815


 215.0140,


-21.2059, 35.0677


 235.2290,  
-17.3679, 17.3392


 38.6740, -18.5733,  
77.4619


 38.6740, -18.5733,  
77.4619


 37.9730, -18.7207,  
78.0767

 47.7870, -16.6570,  
69.4698

 56.1990, -14.8881,  
62.0925

 65.3120, -12.9718,  
54.1004

 74.4250, -11.0555,  
46.1083

 83.5380, -9.1392,  
38.1162

■ 91.9500, -7.3704,  
30.7388

■ 101.0630, -5.4541,  
22.7467

■ 110.1760, -3.5378,  
14.7546

■ 118.5880, -1.7689,  
7.3773

# Harmonies

## Analogous

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



46.3640, 1.7925, 78.6108



38.6740, -18.5733, 77.4619



56.0270, -27.6213, 39.4413

# Triad

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



38.6740, -18.5733, 77.4619



47.1200, -12.3842, -41.3242



54.4230, 48.5985, -47.7290

# Complementary

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



38.6740, -18.5733, 77.4619



89.3260, 18.5733, -77.4619

# 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.



60.1960, 42.7944, -52.7919



38.6740, -18.5733, 77.4619



53.9940, 8.8770, -47.3527

# Square

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



38.6740, -18.5733, 77.4619



42.2640, -20.8362, -37.0655



59.1240, 28.5329, -51.8517



59.3980, 36.7788, 10.1750



# Rectangle

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



38.6740, -18.5733, 77.4619



57.0690, -28.1350, 17.4795



59.1240, 28.5329, -51.8517



57.4720, 47.5883, -50.4029

# Sweetspot

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



38.6740, -18.5733, 77.4619



130.9500, -7.3703, 30.7389



53.0380, 36.4633, 64.8647



62.9700, -4.4222, 18.4433



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.



38.6740, -18.5733, 77.4619



49.6340, -24.4696, 102.0530



75.6550, -36.8049, 45.0296



59.0930, -1.0318, 4.3034



38.2720, -18.8681, 78.6915



0.0000, 0.0000, 0.0000



# Inverse Universe

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



89.3260, 18.5733, -77.4619



116.3660, 24.4696, -102.0530



52.3450, 36.8049, -45.0296



61.9070, 1.0318, -4.3034



89.7280, 18.8681, -78.6915

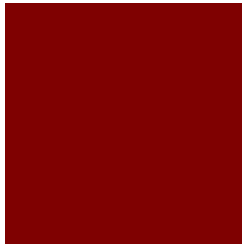


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 38.6740, -18.5733, 77.4619 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

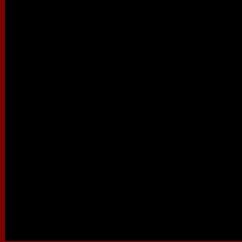
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 38.6740, -18.5733, 77.4619

## Background



This preview shows how black text looks on a background with the YUV color 38.6740, -18.5733, 77.4619.



This preview shows how white text looks on a background with the YUV color 38.6740, -18.5733,



# 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

38.6740, -18.5733, 77.4619

### Protanopia

60.9200, -22.1456, 9.7172

### Tritanopia

44.7180, -22.0460, 71.2843

# Trichromacy



## Original Color

38.6740, -18.5733, 77.4619

## Protanomaly

52.8290, -20.6217, 34.3530

## Tritanomaly

42.3700, -20.8884, 73.3435

# Monochromacy



## Original Color

38.6740, -18.5733, 77.4619

## Achromatopsia

39.0000, 0.0000, 0.0000

## Achromatomaly

38.7540, -6.7807, 28.2797

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.6740, -18.5733, 77.4619 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(127, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(127, 1, 1)  
}
```

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(127, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 1, 1) }
```

## Border

The CSS property to change the border of an element to YUV 38.6740, -18.5733, 77.4619 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(127, 1, 1) }
```

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

```
.border{ border-color:rgb(127, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 1, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(127, 1, 1); box-shadow:4px  
4px 4px 4px rgb(127, 1, 1) }
```



# Background

The CSS property to change the background color of an element to YUV 38.6740, -18.5733, 77.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 1, 1) }
```

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

```
.background{ background-color: rgb(127, 1,  
1) }
```

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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