

# Converting Colors

YUV(41.6640, 6.5746, 38.0057)

Have a look what the booklet for  
YUV(41.6640, 6.5746, 38.0057)  
contains.

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# Color

**YUV(41.6640, 6.5746,  
38.0057)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 551137                    |
| RGB           | 85, 17, 55                |
| RGB Percent   | 33%, 7%, 22%              |
| CMY           | 0.6667, 0.9333, 0.7843    |
| CMYK          | 0.00, 0.80, 0.35, 0.67    |
| HSL           | 326°, 67%, 20%            |
| HSV           | 326°, 80%, 33%            |
| XYZ           | 4.6363, 2.6080, 3.8735    |
| YIQ           | 41.6640, 28.3300, 26.2340 |

# Conversions

## Conversions Part 2

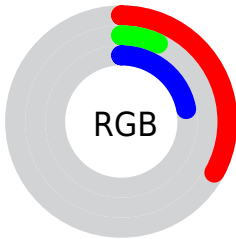
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 85, 17, 55                   |
| Decimal                             | 5574967                      |
| CIE <sub>Lab</sub>                  | 18.40, 34.41, -6.47          |
| CIE <sub>LCh</sub>                  | 18, 35.016, 349.358          |
| Yxy                                 | 2.6080, 0.4170,<br>0.2346    |
| Android<br>(android.graphics.Color) | 4283765047<br>(0xFF551137)   |
| YUV                                 | 41.6640, 6.5746,<br>38.0057  |
| Hunter-Lab                          | 16.1494, 22.9844,<br>-2.9163 |

# Details

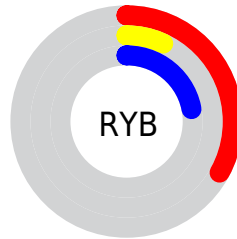
The YUV color **41.6640, 6.5746, 38.0057** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **60.3360, -6.5746, -38.0057**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **91.9200, 4.9694, 39.5352**, and **12.8010, -1.3809, 22.9765** is the 20% darker color. If you saturate the color by 10%, you get **35.9250, 7.4320, 43.0388**, and if you desaturate by 10%, it is **46.8160, 6.0067, 33.4874**.

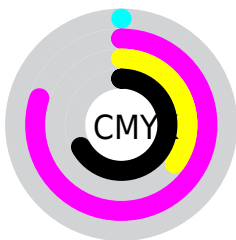
# Distribution



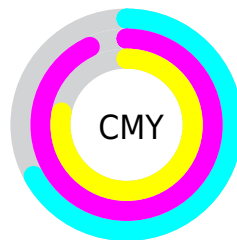
- Red (33%)
- Green (7%)
- Blue (22%)



- Red (33%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (80%)
- Yellow (35%)
- Black (67%)



- Cyan (67%)
- Magenta (93%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 41.6640, 6.5746, 38.0057 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 41.6640, 6.5746, 38.0057 by changing the saturation by 10% instead.



41.6640, 6.5746,  
38.0057

41.6640, 6.5746,  
38.0057

255.0000, 0.0000,  
0.0000

21.8160, 6.0067,  
33.4874

91.9200, 4.9694,  
39.5352

12.8010, -1.3809,  
22.9765

117.8170, 4.5272,  
41.3795

0.0000, 0.0000,  
0.0000

143.8280, 4.5218,  
43.1238

171.0130, 3.9376,  
43.8386

199.0240, 3.9322,  
45.5830

219.2610, 7.7593,

31.3431

 238.5640, 8.1029,  
14.4144


 41.6640, 6.5746,  
38.0057


 41.6640, 6.5746,  
38.0057

 35.9250, 7.4320,  
43.0388


 46.8160, 6.0067,  
33.4874

 30.8870, 8.4367,  
47.4571

 52.5550, 5.1494,  
28.4543

 57.5930, 4.1447,  
24.0359

 63.3320, 3.2873,  
19.0028

 68.4840, 2.7194,  
14.4845

■ 74.2230, 1.8621,  
9.4514

■ 79.2610, 0.8573,  
5.0331

■ 85.0000, 0.0000,  
0.0000

■ 90.7390, -0.8573,  
-5.0331

# Harmonies

## Analogous

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



46.2360, 15.6597, 17.3330



41.6640, 6.5746, 38.0057



40.0100, -4.9349, 42.9642

# Triad

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



41.6640, 6.5746, 38.0057



40.7340, -20.0819, 1.1103



41.7470, 20.3377, -36.6121

# Complementary

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



41.6640, 6.5746, 38.0057



60.3360, -6.5746, -38.0057

# 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.



39.8260, 10.4388, -34.9274



41.6640, 6.5746, 38.0057



33.1050, -12.8698, -25.5251

# Square

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



41.6640, 6.5746, 38.0057



42.6160, -21.0097, 18.7538



36.8620, -0.9180, -32.3280



40.7670, 26.7369, -35.7527



# Rectangle

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



41.6640, 6.5746, 38.0057



41.2730, -13.9386, 37.4716



36.8620, -0.9180, -32.3280



41.0630, 17.7169, -36.0123

# Sweetspot

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



41.6640, 6.5746, 38.0057



92.7830, 2.5720, 15.0993



33.4230, 25.4275, 11.0300



45.8100, 1.5727, 8.9366



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



41.6640, 6.5746, 38.0057



42.4200, 10.1459, 59.2677



37.9020, -7.8397, 41.3049



40.4240, 0.2840, 2.2592



38.8330, 10.4353, 59.7825



85.1990, 22.5799, 131.3755



# Inverse Universe

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



41.6640, 6.5746, 38.0057



42.4200, 10.1459, 59.2677



64.0980, 7.8397, -41.3049



40.4240, 0.2840, 2.2592



38.8330, 10.4353, 59.7825

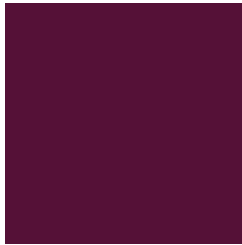


85.1990, 22.5799, 131.3755



# Previews

## White Background



This preview shows how the YUV color 41.6640, 6.5746, 38.0057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

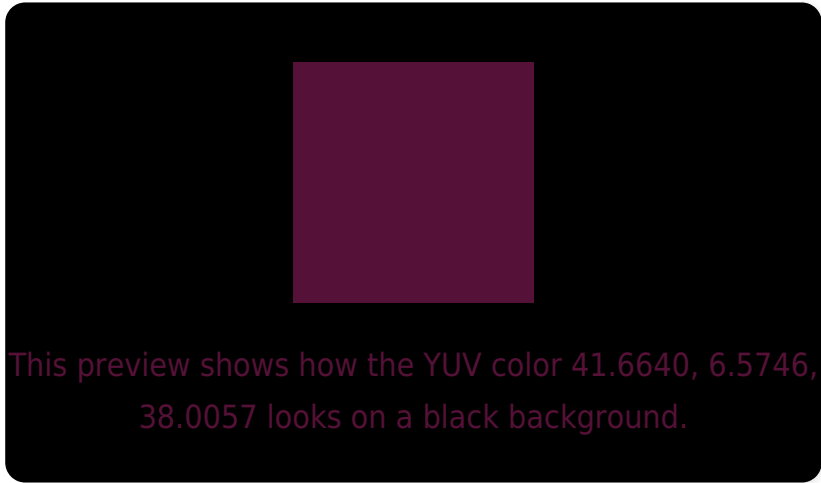
Any Text WCAG AA ✓ Pass

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 41.6640, 6.5746, 38.0057**

## **Background**



This preview shows how black text looks on a background with the YUV color 41.6640, 6.5746, 38.0057.



This preview shows how white text looks on a background with the YUV color 41.6640, 6.5746,



# 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

41.6640, 6.5746, 38.0057

### Protanopia

46.3160, 14.1412, -9.0471

### Deuteranopia

47.5810, 2.1786, 1.2445



## Tritanopia

43.1570, -7.9654, 34.9423

# Trichromacy



## Original Color

41.6640, 6.5746, 38.0057

## Protanomaly

44.4430, 11.6136, 8.3815

## Deuteranomaly

45.1250, 3.8824, 14.7994

## Tritanomaly

42.8350, -2.8767, 36.1017

# Monochromacy



## Original Color

41.6640, 6.5746, 38.0057

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

42.0710, 2.4300, 13.9697

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 41.6640, 6.5746, 38.0057 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(85, 17, 55)` looks like.

```
.text, #text, p{  
    color:rgb(85, 17, 55)  
}
```

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(85, 17, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 17, 55) }
```

## Border

The CSS property to change the border of an element to YUV 41.6640, 6.5746, 38.0057 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".

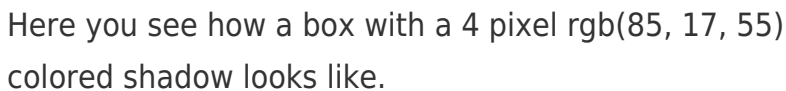
```
.border, #border, table{ border:4px solid rgb(85, 17, 55) }
```



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

```
.border{ border-color:rgb(85, 17, 55) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 17, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 17, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 17, 55);  
box-shadow:4px 4px 4px 4px rgb(85, 17, 55)  
}
```

# Background

The CSS property to change the background color of an element to YUV 41.6640, 6.5746, 38.0057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 17, 55) }
```

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

```
.background{ background-color: rgb(85, 17,  
55) }
```

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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