

# Converting Colors

YUV(100.4850, 34.7639, 3.0827)

Have a look what the booklet for  
YUV(100.4850, 34.7639, 3.0827)  
contains.

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# Color

**YUV(100.4850, 34.7639,  
3.0827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6855AB
RGB	104, 85, 171
RGB Percent	41%, 33%, 67%
CMY	0.5922, 0.6667, 0.3294
CMYK	0.39, 0.50, 0.00, 0.33
HSL	253°, 34%, 50%
HSV	253°, 50%, 67%
XYZ	16.3081, 12.3803, 40.0582
YIQ	100.4850, -16.2820, 30.7740

# Conversions

## Conversions Part 2

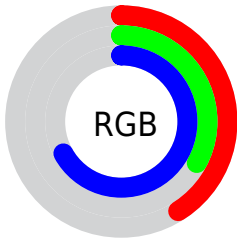
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 85, 171
Decimal	6837675
CIELab	41.81, 28.64, -43.63
CIELCh	42, 52.189, 303.281
Yxy	12.3803, 0.2372, 0.1801
Android (android.graphics.Color)	4285027755 (0xFF6855AB)
YUV	100.4850, 34.7639, 3.0827
Hunter-Lab	35.1857, 21.1574, -42.8705

# Details

The YUV color  $100.4850, 34.7639, 3.0827$  is a dark color, and the websafe version is hex  $6666CC$ . A complement of this color would be  $155.5150, -34.7639, -3.0827$ , and the grayscale version is  $100.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $152.3650, 36.7951, 4.9419$ , and  $51.5940, 32.7382, -0.5209$  is the 20% darker color. If you saturate the color by 10%, you get  $86.6190, 41.5998, 3.8421$ , and if you desaturate by 10%, it is  $114.3510, 27.9280, 2.3232$ .

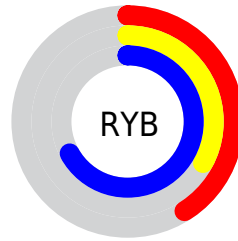
# Distribution



Red (41%)

Green (33%)

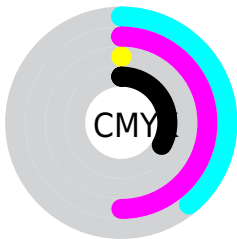
Blue (67%)



Red (41%)

Yellow (33%)

Blue (67%)

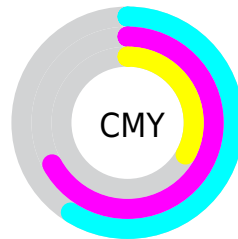


Cyan (39%)

Magenta (50%)

Yellow (0%)

Black (33%)



Cyan (59%)

Magenta (67%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 100.4850, 34.7639, 3.0827 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 100.4850, 34.7639, 3.0827 by changing the saturation by 10% instead.



100.4850, 34.7639,  
3.0827

100.4850, 34.7639,  
3.0827

255.0000, 0.0000,  
0.0000

75.2460, 33.8957,  
1.5383

152.3650, 36.7951,  
4.9419

51.5940, 32.7382,  
-0.5209

179.1910, 37.3738,  
5.9715

27.4470, 32.3176,  
-5.6540

204.2980, 24.9961,  
9.3857

7.8660, 30.1391,  
-6.8985

228.8180, 12.9077,  
13.3146

7.0050, 19.2245,  
-6.1434

249.1300, 2.8939,  
5.1480

3.3230, 10.1938,  
-2.9143

0.0000, 0.0000,

0.0000

■ 100.4850, 34.7639,  
3.0827

■ 100.4850, 34.7639,  
3.0827

■ 86.6190, 41.5998,  
3.8421

■ 114.3510, 27.9280,  
2.3232

■ 72.4540, 48.5832,  
3.9868

■ 128.5160, 20.9446,  
2.1785

■ 58.5880, 55.4191,  
4.7463

■ 142.3820, 14.1087,  
1.4190

■ 44.7220, 62.2551,  
5.5058

■ 156.2480, 7.2727,  
0.6595

■ 30.8560, 69.0910,  
6.2653

■ 170.4130, 0.2894,  
0.5148

■ 184.8660, -6.8359,  
-0.7595

■ 198.7320,  
-13.6719, -1.5190

■ 212.8970,  
-20.6552, -1.6637

■ 226.7630,  
-27.4912, -2.4232

# Harmonies

## Analogous

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



80.9640, 51.2897, -71.0054



100.4850, 34.7639, 3.0827



99.6340, 18.9144, 46.8020

# Triad

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



100.4850, 34.7639, 3.0827



94.3950, -39.1417, 47.8886



80.8940, 10.4053, -70.9440

# Complementary

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



100.4850, 34.7639, 3.0827



155.5150, -34.7639, -3.0827

# 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.



74.7040, -8.2351, -65.5154



100.4850, 34.7639, 3.0827



91.9110, -45.3121, 20.2491

# Square

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



100.4850, 34.7639, 3.0827



93.9670, -19.7037, 66.6809



86.9220, -35.4575, -13.9636



85.7960, 29.1876, -75.2431



# Rectangle

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



100.4850, 34.7639, 3.0827



95.6550, 7.0721, 65.2006



86.9220, -35.4575, -13.9636



79.1840, 3.8533, -69.4444

# Sweetspot

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



100.4850, 34.7639, 3.0827



194.8550, 13.3825, 1.0042



134.1330, 18.1754, -43.0896



95.4760, 8.1463, 0.4595



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



100.4850, 34.7639, 3.0827



112.8330, 53.8193, 4.5315



113.3420, 28.4254, 29.5181



79.6240, 3.6364, 0.3298



26.9670, 60.6553, 5.2909



4.1170, 9.3093, 0.7744



# Inverse Universe

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



118.3520, 16.5885, 46.1723



140.5090, 25.3851, 71.4676



142.6580, -28.4254, -29.5181



81.4890, 1.7309, 4.8331



58.1880, 28.9943, 80.5191



8.9290, 4.4720, 12.3403



# Previews

## White Background



This preview shows how the YUV color 100.4850, 34.7639, 3.0827 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 × Fail



# Black Background



This preview shows how the YUV color 100.4850, 34.7639, 3.0827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

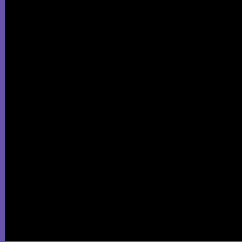
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 100.4850, 34.7639, 3.0827

## Background



This preview shows how black text looks on a background with the YUV color 100.4850, 34.7639, 3.0827.



This preview shows how white text looks on a background with the YUV color 100.4850, 34.7639, 3.0827.



# 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

100.4850, 34.7639, 3.0827

### Protanopia

93.5450, 43.6083, -33.8040

### Deuteranopia

92.2040, 37.3674, -38.7669



## Tritanopia

97.6230, 5.1159, -7.5624

# Trichromacy



## Original Color

100.4850, 34.7639, 3.0827

## Protanomaly

96.1230, 40.3654, -20.2789

## Deuteranomaly

95.3630, 36.3030, -23.9974

## Tritanomaly

98.8050, 15.8721, -4.2140

# Monochromacy



## Original Color

100.4850, 34.7639, 3.0827

## Achromatopsia

100.0000, 0.0000, 0.0000

## Achromatomaly

100.3280, 12.6563, 0.5893

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 100.4850, 34.7639, 3.0827 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(104, 85, 171)` looks like.

```
.text, #text, p{  
    color:rgb(104, 85, 171)  
}
```

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(104, 85, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 85, 171) }
```

## Border

The CSS property to change the border of an element to YUV 100.4850, 34.7639, 3.0827 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(104, 85, 171) }
```



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

```
.border{ border-color:rgb(104, 85, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 85, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 85, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 85, 171);  
box-shadow:4px 4px 4px 4px rgb(104, 85,  
171) }
```

# Background

The CSS property to change the background color of an element to YUV 100.4850, 34.7639, 3.0827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 85, 171) }
```

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

```
.background{ background-color: rgb(104, 85,  
171) }
```

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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