

Converting Colors

YUV(85.8330, 37.0573, 14.1785)

Have a look what the booklet for
YUV(85.8330, 37.0573, 14.1785)
contains.

YUV(85.8330, 37.0573, 14.1785)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(85.8330, 37.0573,
14.1785)**

Conversions

Conversions Part 1

Format	Color
Hex	663FA1
RGB	102, 63, 161
RGB Percent	40%, 25%, 63%
CMY	0.6000, 0.7529, 0.3686
CMYK	0.37, 0.61, 0.00, 0.37
HSL	264°, 44%, 44%
HSV	264°, 61%, 63%
XYZ	13.6900, 8.9530, 34.7248
YIQ	85.8330, -8.2140, 38.7460

Conversions

Conversions Part 2

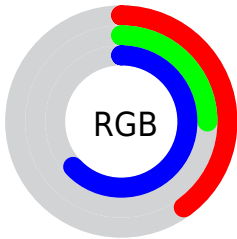
Format	Color
R_{YB}	102, 63, 161
Decimal	6700961
CIE _{Lab}	35.89, 38.42, -47.17
CIE _{LCh}	36, 60.835, 309.158
Yxy	8.9530, 0.2386, 0.1561
Android (android.graphics.Color)	4284891041 (0xFF663FA1)
YUV	85.8330, 37.0573, 14.1785
Hunter-Lab	29.9216, 29.3064, -47.8625

Details

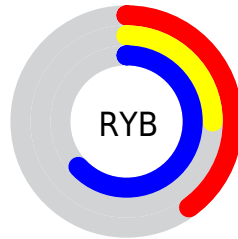
The YUV color **85.8330, 37.0573, 14.1785** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **138.1670, -37.0573, -14.1785**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.3110, 38.7937, 17.2673**, and **35.5830, 36.1946, 10.8897** is the 20% darker color. If you saturate the color by 10%, you get **73.4510, 43.1617, 16.2675**, and if you desaturate by 10%, it is **98.2150, 30.9530, 12.0894**.

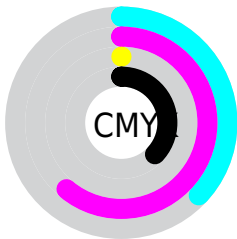
Distribution



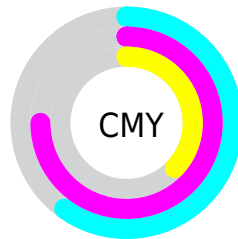
- Red (40%)
- Green (25%)
- Blue (63%)



- Red (40%)
- Yellow (25%)
- Blue (63%)



- Cyan (37%)
- Magenta (61%)
- Yellow (0%)
- Black (37%)



- Cyan (60%)
- Magenta (75%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YUV color 85.8330, 37.0573, 14.1785 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 85.8330, 37.0573, 14.1785 by changing the saturation by 10% instead.

85.8330, 37.0573,
14.1785

85.8330, 37.0573,
14.1785

255.0000, 0.0000,
0.0000

60.5940, 36.1892,
12.6341

137.3110, 38.7937,
17.2673

35.5830, 36.1946,
10.8897

164.2510, 39.8093,
18.1969

14.9580, 34.0377,
2.6678

189.6120, 32.2363,
20.5113

6.8400, 26.2079,
-5.9987

214.7190, 19.8585,
23.9254

5.3920, 15.5827,
-4.7288

235.0420, 9.8393,
17.5032

2.0690, 5.3890,
-1.8145

252.0650, 1.4470,

0.0000, 0.0000,

2.5740

0.0000

■ 85.8330, 37.0573,
14.1785

■ 85.8330, 37.0573,
14.1785

■ 73.4510, 43.1617,
16.2675

■ 98.2150, 30.9530,
12.0894

■ 61.3680, 49.1186,
18.9713

■ 110.2980, 24.9961,
9.3857

■ 48.9860, 55.2229,
21.0603

■ 122.6800, 18.8918,
7.2966

■ 37.4900, 60.8904,
23.2493

■ 135.0620, 12.7874,
5.2076

■ 147.7320, 6.5411,
1.9890

■ 160.1140, 0.4368,
-0.1000

■ 172.4960, -5.6675,
-2.1890

■ 184.8780,
-11.7719, -4.2780

■ 196.9610,
-17.7288, -6.9818

Harmonies

Analogous

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



71.2300, 54.6096, -62.4687



85.8330, 37.0573, 14.1785



76.7380, 21.3282, 66.0048

Triad

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



85.8330, 37.0573, 14.1785



79.3730, -39.1309, 44.3999



72.9210, 12.8569, -63.9517

Complementary

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



85.8330, 37.0573, 14.1785



138.1670, -37.0573, -14.1785

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.



65.8190, -9.2778, -57.7233



85.8330, 37.0573, 14.1785



77.9790, -38.4436, 10.5424

Square

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



85.8330, 37.0573, 14.1785



74.0450, -24.6722, 73.6285



66.7950, -32.9299, -31.3922



77.5780, 33.2390, -68.0359

Rectangle

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



85.8330, 37.0573, 14.1785



64.3620, 11.6535, 89.1365



66.7950, -32.9299, -31.3922



70.9830, 5.4314, -62.2521

Sweetspot

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



85.8330, 37.0573, 14.1785



179.8170, 14.3872, 5.4225



109.3920, 25.4427, -40.6858



87.3130, 8.7197, 3.2335



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



85.8330, 37.0573, 14.1785



91.6810, 57.8383, 22.2048



100.1850, 29.9818, 43.6878



75.2220, 3.3416, 1.5593



33.8720, 54.7861, 21.1603



4.1450, 6.8305, 2.5038

Inverse Universe

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



99.0280, 11.3252, 54.3494



112.2350, 17.6321, 84.8629



123.8150, -29.9818, -43.6878



76.2610, 0.8573, 5.0331



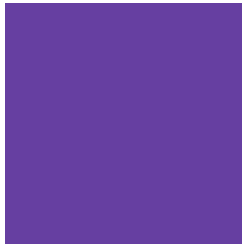
53.3870, 17.0642, 80.3446



6.6360, 2.1515, 9.9662

Previews

White Background



This preview shows how the YUV color 85.8330, 37.0573, 14.1785 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



This preview shows how the YUV color 85.8330, 37.0573, 14.1785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

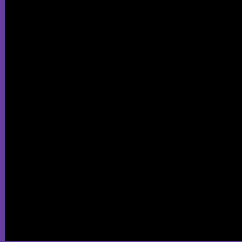
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 85.8330, 37.0573, 14.1785

Background



This preview shows how black text looks on a background with the YUV color 85.8330, 37.0573, 14.1785.



This preview shows how white text looks on a background with the YUV color 85.8330, 37.0573,

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

85.8330, 37.0573, 14.1785

Protanopia

67.8560, 51.8360, -59.5097

Deuteranopia

67.8100, 41.5057, -59.4694



Tritanopia

84.9940, 2.4680, 1.7593

Trichromacy



Original Color

85.8330, 37.0573, 14.1785

Protanomaly

74.3540, 46.6605, -32.7595

Deuteranomaly

74.5190, 39.6771, -32.9042

Tritanomaly

85.3440, 15.1134, 5.8373

Monochromacy



Original Color

85.8330, 37.0573, 14.1785

Achromatopsia

86.0000, 0.0000, 0.0000

Achromatomaly

86.1760, 13.2242, 5.1076

CSS Examples

Text

The CSS property to change the color of the text to YUV 85.8330, 37.0573, 14.1785 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(102, 63, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 63, 161)  
}
```

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(102, 63, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 63, 161) }
```

Border

The CSS property to change the border of an element to YUV 85.8330, 37.0573, 14.1785 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(102, 63, 161) }
```


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

```
.border{ border-color:rgb(102, 63, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 63, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 63, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 63, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 63,  
161) }
```

Background

The CSS property to change the background color of an element to YUV 85.8330, 37.0573, 14.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 63, 161) }
```

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

```
.background{ background-color: rgb(102, 63,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor