

Converting Colors

YUV(85.0700, 40.8845, -0.0614)

Have a look what the booklet for
YUV(85.0700, 40.8845, -0.0614)
contains.

YUV(85.0700, 40.8845, -0.0614)	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(85.0700, 40.8845,
-0.0614)**

Conversions

Conversions Part 1

Format	Color
Hex	5545A8
RGB	85, 69, 168
RGB Percent	33%, 27%, 66%
CMY	0.6667, 0.7294, 0.3412
CMYK	0.49, 0.59, 0.00, 0.34
HSL	250°, 42%, 46%
HSV	250°, 59%, 66%
XYZ	12.9423, 9.0147, 38.1037
YIQ	85.0700, -22.2430, 34.1810

Conversions

Conversions Part 2

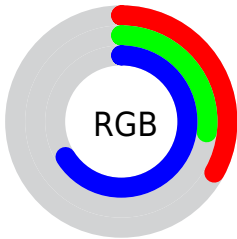
Format	Color
R _Y B	85, 69, 168
Decimal	5588392
CIE Lab	36.01, 33.04, -51.26
CIE LCh	36, 60.988, 302.804
Yxy	9.0147, 0.2155, 0.1501
Android (android.graphics.Color)	4283778472 (0xFF5545A8)
YUV	85.0700, 40.8845, -0.0614
Hunter-Lab	30.0245, 24.4012, -54.2270

Details

The YUV color **85.0700, 40.8845, -0.0614** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **151.9300, -40.8845, 0.0614**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.6620, 43.0576, 2.9274**, and **34.3740, 39.7486, -9.0980** is the 20% darker color. If you saturate the color by 10%, you get **70.9050, 47.8678, 0.0833**, and if you desaturate by 10%, it is **99.2350, 33.9011, -0.2061**.

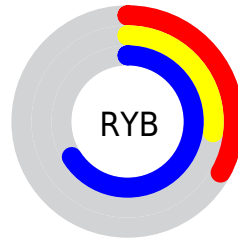
Distribution



Red (33%)

Green (27%)

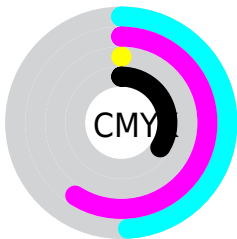
Blue (66%)



Red (33%)

Yellow (27%)

Blue (66%)

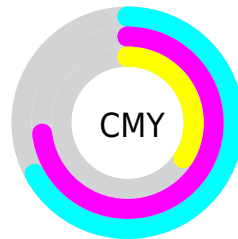


Cyan (49%)

Magenta (59%)

Yellow (0%)

Black (34%)



Cyan (67%)

Magenta (73%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YUV color 85.0700, 40.8845, -0.0614 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 85.0700, 40.8845, -0.0614 by changing the saturation by 10% instead.

■ 85.0700, 40.8845,
-0.0614

■ 85.0700, 40.8845,
-0.0614

■ 255.0000, 0.0000,
0.0000

■ 60.1190, 39.8743,
-2.7354

■ 136.6620, 43.0576,
2.9274

■ 34.3740, 39.7486,
-9.0980

■ 163.9010, 43.9258,
4.4718

■ 12.6080, 38.1543,
-11.0572

■ 187.7630, 33.1478,
8.1008

■ 7.5240, 28.8287,
-6.5985

■ 212.8700, 20.7701,
11.5150

■ 6.5490, 17.4773,
-5.7435

■ 237.9770, 8.3923,
14.9292

■ 2.9810, 8.8834,
-2.6143

■ 0.0000, 0.0000,

0.0000

■ 85.0700, 40.8845,
-0.0614

■ 85.0700, 40.8845,
-0.0614

■ 70.9050, 47.8678,
0.0833

■ 99.2350, 33.9011,
-0.2061

■ 56.7400, 54.8512,
0.2280

■ 113.4000, 26.9178,
-0.3508

■ 43.1620, 61.5451,
-0.1421

■ 126.9780, 20.2238,
0.0193

■ 28.9970, 68.5285,
0.0026

■ 141.1430, 13.2405,
-0.1254

■ 27.2250, 69.4021,
-0.1973

■ 155.3080, 6.2572,
-0.2701

■ 169.7720, -0.8736,
0.2000

■ 183.9370, -7.8569,
0.0553

■ 197.5150,
-14.5509, 0.4253

■ 211.6800,
-21.5342, 0.2806

Harmonies

Analogous

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



73.8060, 54.3256, -64.7279



85.0700, 40.8845, -0.0614



80.4810, 24.4129, 56.5832

Triad

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



85.0700, 40.8845, -0.0614



78.8300, -38.8632, 51.8921



71.6670, 8.0522, -62.8520

Complementary

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



85.0700, 40.8845, -0.0614



151.9300, -40.8845, 0.0614

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.



64.5650, -14.0825, -56.6235



85.0700, 40.8845, -0.0614



79.2080, -39.0495, 18.2346

Square

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



85.0700, 40.8845, -0.0614



72.6850, -18.5787, 79.2063



70.7040, -34.8571, -19.9114



77.2530, 29.4553, -67.7509

Rectangle

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



85.0700, 40.8845, -0.0614



68.2410, 15.1642, 83.1036



70.7040, -34.8571, -19.9114



69.7290, 0.6266, -61.1523

Sweetspot

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



85.0700, 40.8845, -0.0614



186.2400, 16.1507, -0.2105



129.5940, 18.9342, -53.1409



89.6330, 10.0409, -0.5551



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



85.0700, 40.8845, -0.0614



89.1450, 64.0185, -0.1272



99.4220, 33.8090, 29.4479



77.2110, 3.3470, -0.1850



24.0480, 61.1083, -0.0421



3.1770, 8.2937, -0.1552

Inverse Universe

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



108.0630, 21.6609, 52.5647



125.1650, 33.9357, 82.2933



137.5780, -33.8090, -29.4479



79.1900, 1.8783, 4.2184



58.3880, 32.3467, 78.5897



7.9180, 4.4774, 10.5959

Previews

White Background



This preview shows how the YUV color 85.0700, 40.8845, -0.0614 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 85.0700, 40.8845, -0.0614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

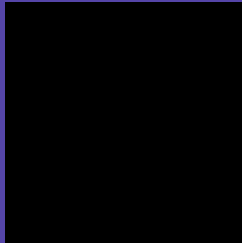
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 85.0700, 40.8845, -0.0614

Background



This preview shows how black text looks on a background with the YUV color 85.0700, 40.8845, -0.0614.



This preview shows how white text looks on a background with the YUV color 85.0700, 40.8845,

-0.0614.

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

85.0700, 40.8845, -0.0614

Protanopia

67.8560, 51.8360, -59.5097

Deuteranopia

68.2830, 40.7795, -59.8842



Tritanopia

82.3230, 6.7428, -16.0693

Trichromacy



Original Color

85.0700, 40.8845, -0.0614

Protanomaly

73.9620, 47.8397, -37.6777

Deuteranomaly

74.1270, 40.8564, -37.8224

Tritanomaly

83.5700, 18.9460, -10.1469

Monochromacy



Original Color

85.0700, 40.8845, -0.0614

Achromatopsia

85.0000, 0.0000, 0.0000

Achromatomaly

84.8980, 14.8403, 0.0895

CSS Examples

Text

The CSS property to change the color of the text to YUV 85.0700, 40.8845, -0.0614 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, 69, 168)` looks like.

```
.text, #text, p{  
    color:rgb(85, 69, 168)  
}
```

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, 69, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 69, 168) }
```

Border

The CSS property to change the border of an element to YUV 85.0700, 40.8845, -0.0614 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, 69, 168) }
```


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

```
.border{ border-color:rgb(85, 69, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 69, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 69, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 69, 168);  
box-shadow:4px 4px 4px 4px rgb(85, 69,  
168) }
```

Background

The CSS property to change the background color of an element to YUV 85.0700, 40.8845, -0.0614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 69, 168) }
```

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

```
.background{ background-color: rgb(85, 69,  
168) }
```

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