

Converting Colors

YUV(85.0830, 41.3711, 30.6222)

Have a look what the booklet for
YUV(85.0830, 41.3711, 30.6222)
contains.

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Color

**YUV(85.0830, 41.3711,
30.6222)**

Conversions

Conversions Part 1

Format	Color
Hex	7833A9
RGB	120, 51, 169
RGB Percent	47%, 20%, 66%
CMY	0.5294, 0.8000, 0.3373
CMYK	0.29, 0.70, 0.00, 0.34
HSL	275°, 54%, 43%
HSV	275°, 70%, 66%
XYZ	16.0910, 9.2253, 38.4687
YIQ	85.0830, 3.2460, 51.3260

Conversions

Conversions Part 2

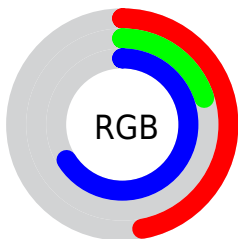
Format	Color
R_{YB}	120, 51, 169
Decimal	7877545
CIE _{Lab}	36.41, 50.67, -51.02
CIE _{LCh}	36, 71.908, 314.807
Yxy	9.2253, 0.2523, 0.1446
Android (android.graphics.Color)	4286067625 (0xFF7833A9)
YUV	85.0830, 41.3711, 30.6222
Hunter-Lab	30.3732, 41.4120, -53.8316

Details

The YUV color **85.0830, 41.3711, 30.6222** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **134.9170, -41.3711, -30.6222**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.7350, 42.5286, 32.6814**, and **32.6590, 41.0871, 28.3631** is the 20% darker color. If you saturate the color by 10%, you get **73.0110, 47.3226, 35.0704**, and if you desaturate by 10%, it is **97.1550, 35.4196, 26.1741**.

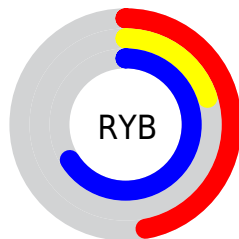
Distribution



Red (47%)

Green (20%)

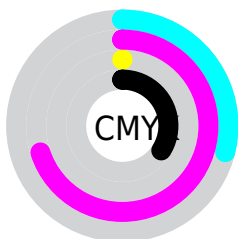
Blue (66%)



Red (47%)

Yellow (20%)

Blue (66%)

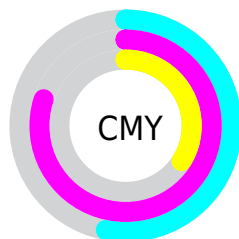


Cyan (29%)

Magenta (70%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (80%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YUV color 85.0830, 41.3711, 30.6222 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 85.0830, 41.3711, 30.6222 by changing the saturation by 10% instead.

85.0830, 41.3711,
30.6222

85.0830, 41.3711,
30.6222

255.0000, 0.0000,
0.0000

57.4960, 41.6605,
31.1370

138.7350, 42.5286,
32.6814

32.6590, 41.0871,
28.3631

165.9740, 43.3968,
34.2258

21.4370, 34.2946,
13.6488

190.6080, 31.7453,
38.0548

9.6170, 27.7968,
-2.2951

213.3230, 20.5468,
36.5507

6.6630, 17.9141,
-5.8435

229.7590, 12.4438,
22.1364

2.9810, 8.8834,
-2.6143

246.7820, 4.0515,

0.0000, 0.0000,

7.2072

0.0000

■ 85.0830, 41.3711,
30.6222

■ 85.0830, 41.3711,
30.6222

■ 73.0110, 47.3226,
35.0704

■ 97.1550, 35.4196,
26.1741

■ 60.9390, 53.2741,
39.5185

■ 109.2270, 29.4681,
21.7259

■ 48.8670, 59.2256,
43.9666

■ 121.2990, 23.5166,
17.2778

■ 133.3710, 17.5651,
12.8296

■ 144.8560, 11.9030,
8.8963

■ 156.9280, 5.9515,
4.4481

■ 169.0000, 0.0000,
0.0000

■ 181.0720, -5.9515,
-4.4481

■ 193.1440,
-11.9030, -8.8963

Harmonies

Analogous

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



72.1080, 63.0508, -63.2387



85.0830, 41.3711, 30.6222



64.1680, 26.0462, 92.8147

Triad

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



85.0830, 41.3711, 30.6222



80.8350, -39.8517, 42.2407



76.9790, 18.2514, -67.5106

Complementary

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



85.0830, 41.3711, 30.6222



134.9170, -41.3711, -30.6222

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.



68.8510, -7.8145, -60.3823



85.0830, 41.3711, 30.6222



77.6250, -38.2691, 1.2059

Square

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



85.0830, 41.3711, 30.6222



69.8800, -34.4508, 83.4202



59.8740, -29.5179, -52.5095



82.4340, 41.6910, -72.2946

Rectangle

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



85.0830, 41.3711, 30.6222



63.4240, 7.6790, 103.9912



59.8740, -29.5179, -52.5095



74.1120, 9.8048, -64.9962

Sweetspot

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



85.0830, 41.3711, 30.6222



186.3170, 16.1127, 12.0000



93.2150, 37.3620, -37.0226



89.9760, 9.8718, 7.0370



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.



85.0830, 41.3711, 30.6222



88.2680, 64.4509, 48.0000



98.5940, 29.7802, 61.7461



78.4070, 2.7573, 2.2741



42.5860, 51.9691, 38.0741



5.8680, 6.9671, 5.3778

Inverse Universe

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



91.8680, 4.0091, 67.6448



98.7940, 6.5106, 105.4207



121.4060, -29.7802, -61.7461



78.7340, 0.1311, 4.6183



51.2060, 4.8284, 84.8883



6.8920, 0.5462, 11.4957

Previews

White Background



This preview shows how the YUV color 85.0830, 41.3711, 30.6222 looks on a white background.

Color Contrast Check

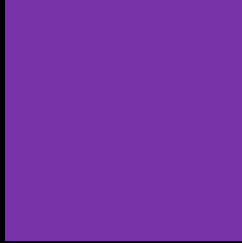
Large Text (above 18pt) WCAG AA ✓ Pass

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 85.0830, 41.3711, 30.6222 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 85.0830, 41.3711, 30.6222

Background



This preview shows how black text looks on a background with the YUV color 85.0830, 41.3711, 30.6222.



This preview shows how white text looks on a background with the YUV color 85.0830, 41.3711,

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

85.0830, 41.3711, 30.6222

Protanopia

68.7850, 52.8570, -60.3244

Deuteranopia

69.2120, 41.8005, -60.6989



Tritanopia

87.4580, -1.2118, 15.3843

Trichromacy



Original Color

85.0830, 41.3711, 30.6222

Protanomaly

74.5550, 48.5334, -26.7967

Deuteranomaly

75.3070, 41.2606, -27.4562

Tritanomaly

86.6170, 14.4858, 20.5069

Monochromacy



Original Color

85.0830, 41.3711, 30.6222

Achromatopsia

85.0000, 0.0000, 0.0000

Achromatomaly

85.3770, 15.0971, 11.0704

CSS Examples

Text

The CSS property to change the color of the text to YUV 85.0830, 41.3711, 30.6222 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(120, 51, 169)` looks like.

```
.text, #text, p{  
    color:rgb(120, 51, 169)  
}
```

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(120, 51, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 51, 169) }
```

Border

The CSS property to change the border of an element to YUV 85.0830, 41.3711, 30.6222 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(120, 51, 169) }
```


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

```
.border{ border-color:rgb(120, 51, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 51, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 51, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 51, 169); box-shadow:4px 4px 4px 4px rgb(120, 51, 169) }
```

Background

The CSS property to change the background color of an element to YUV 85.0830, 41.3711, 30.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 51, 169) }
```

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

```
.background{ background-color: rgb(120, 51,  
169) }
```

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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