

Converting Colors

YUV(83.8260, 71.5708, 51.0186)

Have a look what the booklet for
YUV(83.8260, 71.5708, 51.0186)
contains.

YUV(83.8260, 71.5708, 51.0186)	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(83.8260, 71.5708,
51.0186)**

Conversions

Conversions Part 1

Format	Color
Hex	8E1AE5
RGB	142, 26, 229
RGB Percent	56%, 10%, 90%
CMY	0.4431, 0.8980, 0.1020
CMYK	0.38, 0.89, 0.00, 0.10
HSL	274°, 80%, 50%
HSV	274°, 89%, 90%
XYZ	25.6676, 12.1467, 75.1205
YIQ	83.8260, 3.9730, 87.7250

Conversions

Conversions Part 2

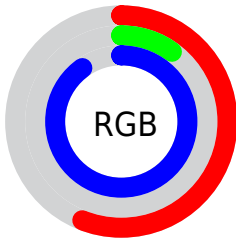
Format	Color
R_{YB}	142, 26, 229
Decimal	9312997
CIE _{Lab}	41.45, 75.56, -77.68
CIE _{LCh}	41, 108.367, 314.210
Yxy	12.1467, 0.2273, 0.1076
Android (android.graphics.Color)	4287503077 (0xFF8E1AE5)
YUV	83.8260, 71.5708, 51.0186
Hunter-Lab	34.8521, 70.4688, -103.3974

Details

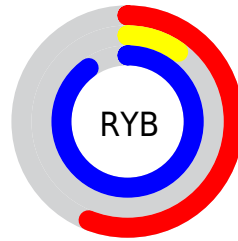
The YUV color **83.8260, 71.5708, 51.0186** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **171.1740, -71.5708, -51.0186**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **143.4720, 54.9833, 51.3291**, and **43.5280, 63.3367, 31.9859** is the 20% darker color. If you saturate the color by 10%, you get **67.3350, 79.7008, 56.7112**, and if you desaturate by 10%, it is **100.3170, 63.4407, 45.3260**.

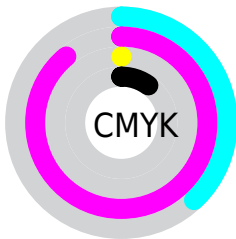
Distribution



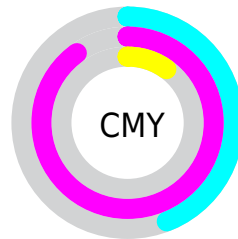
- Red (56%)
- Green (10%)
- Blue (90%)



- Red (56%)
- Yellow (10%)
- Blue (90%)



- Cyan (38%)
- Magenta (89%)
- Yellow (0%)
- Black (10%)



- Cyan (44%)
- Magenta (90%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YUV color 83.8260, 71.5708, 51.0186 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 83.8260, 71.5708, 51.0186 by changing the saturation by 10% instead.

83.8260, 71.5708,
51.0186

83.8260, 71.5708,
51.0186

255.0000, 0.0000,
0.0000

56.2880, 70.8500,
48.8594

143.4720, 54.9833,
51.3291

43.5280, 63.3367,
31.9859

169.1770, 42.3107,
55.9728

29.9850, 56.7024,
13.1682

192.7780, 30.6754,
54.5687

13.4520, 51.5422,
-11.7974

209.2140, 22.5725,
40.1543

10.4880, 40.1854,
-9.1980

226.2370, 14.1802,
25.2252

11.7470, 27.2397,
-10.3021

243.8470, 5.4984,

6.7770, 18.3509,

9.7812

-5.9434

■ 3.0950, 9.3202,
-2.7143

■ 0.0000, 0.0000,
0.0000

■ 83.8260, 71.5708,
51.0186

■ 83.8260, 71.5708,
51.0186

■ 67.3350, 79.7008,
56.7112

■ 100.3170, 63.4407,
45.3260

■ 65.2750, 80.7164,
57.6408

■ 116.8080, 55.3107,
39.6334

■ 133.0000, 47.3280,
33.3260

■ 149.4910, 39.1979,
27.6334

■ 165.3950, 31.3573,
22.4556

■ 181.8860, 23.2272,
16.7630

■ 198.3770, 15.0971,
11.0704

■ 214.8680, 6.9671,
5.3778

■ 231.0600, -1.0156,
-0.9296

Harmonies

Analogous

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



87.1830, 82.7338, -76.4595



83.8260, 71.5708, 51.0186



83.9620, 32.0637, 122.8133

Triad

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



83.8260, 71.5708, 51.0186



90.9680, -44.8472, 57.9101



91.6830, 23.8203, -80.4060

Complementary

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



83.8260, 71.5708, 51.0186



171.1740, -71.5708, -51.0186

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.



78.9780, -17.2442, -69.2637



83.8260, 71.5708, 51.0186



86.7290, -42.7574, -5.9013

Square

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



83.8260, 71.5708, 51.0186



63.3880, -31.2503, 130.3327



71.0270, -35.0163, -62.2907



101.8460, 60.2219, -89.3189

Rectangle

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



83.8260, 71.5708, 51.0186



82.0200, 3.9341, 138.5485



71.0270, -35.0163, -62.2907



87.5620, 10.5689, -76.7919

Sweetspot

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



83.8260, 71.5708, 51.0186



205.5270, 24.3902, 17.0778



100.7980, 63.2036, -65.5978



98.5510, 14.5184, 10.0408



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



83.8260, 71.5708, 51.0186



72.7240, 89.8621, 64.2631



108.2430, 52.6312, 105.9039



106.4610, 4.2097, 3.1037



50.9040, 63.1513, 44.8112



14.4850, 18.0019, 12.7297

Inverse Universe

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



96.6150, 8.0778, 116.1016



88.6710, 10.0222, 145.8705



146.7570, -52.6312, -105.9039



107.1580, 0.4151, 6.8774



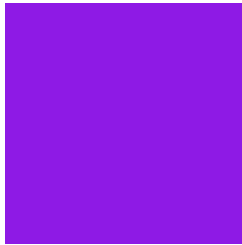
62.2990, 7.2476, 102.3468



17.7570, 2.0918, 29.1541

Previews

White Background



This preview shows how the YUV color 83.8260, 71.5708, 51.0186 looks on a white background.

Color Contrast Check

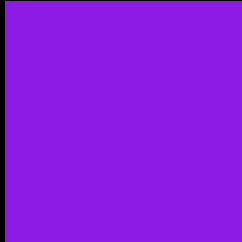
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.8260, 71.5708, 51.0186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

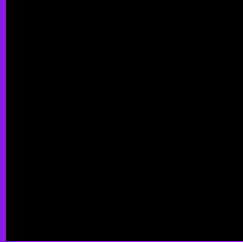
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.8260, 71.5708, 51.0186

Background



This preview shows how black text looks on a background with the YUV color 83.8260, 71.5708, 51.0186.



This preview shows how white text looks on a background with the YUV color 83.8260, 71.5708,

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

83.8260, 71.5708, 51.0186

Protanopia

78.5650, 59.8675, -68.9015

Deuteranopia

78.8950, 45.9008, -69.1909



Tritanopia

99.9740, -0.4802, 14.0548

Trichromacy



Original Color

83.8260, 71.5708, 51.0186



Protanomaly

80.6920, 64.2418, -25.1629



Deuteranomaly

80.9880, 55.2219, -25.4225



Tritanomaly

93.9350, 25.6680, 27.2440

Monochromacy



Original Color

83.8260, 71.5708, 51.0186



Achromatopsia

84.0000, 0.0000, 0.0000



Achromatomaly

83.9940, 26.1320, 18.4223

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.8260, 71.5708, 51.0186 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(142, 26, 229)` looks like.

```
.text, #text, p{  
  color:rgb(142, 26, 229)  
}
```

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(142, 26, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 26, 229) }
```

Border

The CSS property to change the border of an element to YUV 83.8260, 71.5708, 51.0186 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(142, 26, 229) }
```


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

```
.border{ border-color:rgb(142, 26, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 26, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 26, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 26, 229);  
box-shadow:4px 4px 4px 4px rgb(142, 26,  
229) }
```

Background

The CSS property to change the background color of an element to YUV 83.8260, 71.5708, 51.0186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 26, 229) }
```

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

```
.background{ background-color: rgb(142, 26,  
229) }
```

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