

Converting Colors

YUV(83.9900, 59.1649, 16.6718)

Have a look what the booklet for
YUV(83.9900, 59.1649, 16.6718)
contains.

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Color

**YUV(83.9900, 59.1649,
16.6718)**

Conversions

Conversions Part 1

Format	Color
Hex	6733CC
RGB	103, 51, 204
RGB Percent	40%, 20%, 80%
CMY	0.5961, 0.8000, 0.2000
CMYK	0.50, 0.75, 0.00, 0.20
HSL	260°, 60%, 50%
HSV	260°, 75%, 80%
XYZ	17.6764, 9.6109, 58.0502
YIQ	83.9900, -18.1210, 58.6070

Conversions

Conversions Part 2

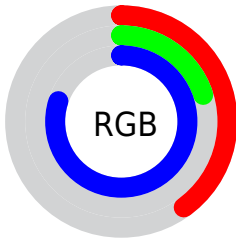
Format	Color
R_{YB}	103, 51, 204
Decimal	6763468
CIE _{Lab}	37.13, 56.37, -70.56
CIE _{LCh}	37, 90.314, 308.622
Yxy	9.6109, 0.2071, 0.1126
Android (android.graphics.Color)	4284953548 (0xFF6733CC)
YUV	83.9900, 59.1649, 16.6718
Hunter-Lab	31.0014, 47.5251, -89.3198

Details

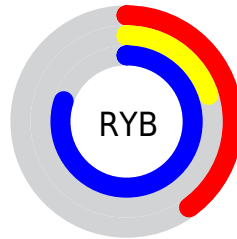
The YUV color **83.9900, 59.1649, 16.6718** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **171.0100, -59.1649, -16.6718**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.9690, 57.6963, 21.0752**, and **27.6360, 59.3395, 7.3352** is the 20% darker color. If you saturate the color by 10%, you get **68.3630, 66.8690, 18.9756**, and if you desaturate by 10%, it is **99.6170, 51.4608, 14.3679**.

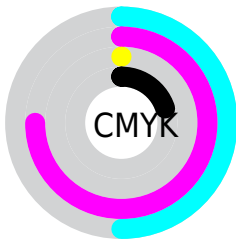
Distribution



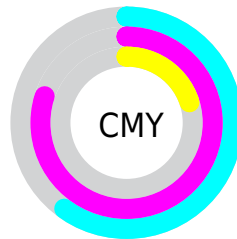
- Red (40%)
- Green (20%)
- Blue (80%)



- Red (40%)
- Yellow (20%)
- Blue (80%)



- Cyan (50%)
- Magenta (75%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YUV color 83.9900, 59.1649, 16.6718 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 83.9900, 59.1649, 16.6718 by changing the saturation by 10% instead.

83.9900, 59.1649,
16.6718

83.9900, 59.1649,
16.6718

255.0000, 0.0000,
0.0000

55.0930, 59.6072,
14.8274

137.9690, 57.6963,
21.0752

27.6360, 59.3395,
7.3352

162.2010, 45.7499,
26.1337

13.9080, 53.2894,
-12.1973

187.0200, 33.5141,
30.6775

10.9440, 41.9326,
-9.5979

212.4260, 20.9890,
34.7064

12.2030, 28.9869,
-10.7020

229.7590, 12.4438,
22.1364

7.8200, 19.8087,
-6.8581

246.7820, 4.0515,

3.5510, 11.0674,

7.2072

-3.1142

■ 0.0000, 0.0000,
0.0000

■ 83.9900, 59.1649,
16.6718

■ 83.9900, 59.1649,
16.6718

■ 68.3630, 66.8690,
18.9756

■ 99.6170, 51.4608,
14.3679

■ 51.8500, 75.0100,
21.1795

■ 116.1300, 43.3199,
12.1640

■ 43.8870, 78.9357,
22.0241

■ 131.7570, 35.6158,
9.8601

■ 148.2700, 27.4749,
7.6562

■ 163.8970, 19.7708,
5.3523

■ 179.8230, 11.9193,
3.6632

■ 196.0370, 3.9258,
0.8446

■ 211.9630, -3.9258,
-0.8446

■ 228.1770,
-11.9193, -3.6632

Harmonies

Analogous

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



81.4950, 76.1710, -71.4711



83.9900, 59.1649, 16.6718



71.2040, 34.9024, 98.9221

Triad

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



83.9900, 59.1649, 16.6718



80.6460, -39.7585, 59.0695



79.2300, 14.1836, -69.4847

Complementary

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



83.9900, 59.1649, 16.6718



171.0100, -59.1649, -16.6718

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.



68.2350, -20.3289, -59.8421



83.9900, 59.1649, 16.6718



80.6150, -39.7432, 7.3536

Square

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



83.9900, 59.1649, 16.6718



56.8100, -28.0073, 116.8076



61.6350, -30.3861, -54.0539



87.3240, 45.1963, -76.5831

Rectangle

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



83.9900, 59.1649, 16.6718



71.4130, 11.1354, 115.4018



61.6350, -30.3861, -54.0539



75.6790, 3.1163, -66.3705

Sweetspot

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



83.9900, 59.1649, 16.6718



208.7060, 22.8229, 6.3968



128.3160, 37.3122, -67.8061



99.6920, 13.9558, 3.7781



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.



83.9900, 59.1649, 16.6718



74.5420, 88.9658, 24.9577



106.7140, 47.9620, 63.3948



94.0370, 3.9258, 0.8446



35.6680, 64.2537, 17.8312



8.2190, 14.6820, 4.1929

Inverse Universe

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



108.2610, 21.5633, 83.9631



111.0980, 32.4897, 126.2021



148.2860, -47.9620, -63.3948



95.7880, 1.5835, 5.4479



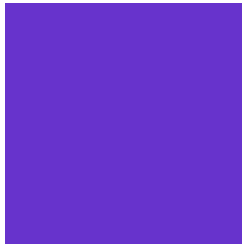
62.0600, 23.1414, 91.1554



14.2120, 5.3185, 20.8621

Previews

White Background



This preview shows how the YUV color 83.9900, 59.1649, 16.6718 looks on a white background.

Color Contrast Check

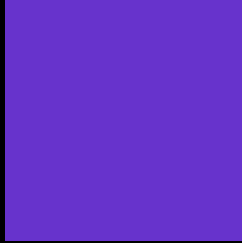
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.9900, 59.1649, 16.6718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

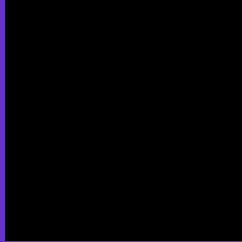
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.9900, 59.1649, 16.6718

Background



This preview shows how black text looks on a background with the YUV color 83.9900, 59.1649, 16.6718.



This preview shows how white text looks on a background with the YUV color 83.9900, 59.1649,

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

83.9900, 59.1649, 16.6718

Protanopia

69.6000, 53.4412, -61.0392

Deuteranopia

70.2720, 40.7849, -61.6285



Tritanopia

85.7150, 5.5635, -11.1511

Trichromacy



Original Color

83.9900, 59.1649, 16.6718

Protanomaly

74.6450, 55.3910, -33.0147

Deuteranomaly

75.2830, 47.6815, -33.5742

Tritanomaly

85.2320, 25.0286, -1.0805

Monochromacy



Original Color

83.9900, 59.1649, 16.6718

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

84.0650, 21.6600, 6.0820

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.9900, 59.1649, 16.6718 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(103, 51, 204)` looks like.

```
.text, #text, p{  
    color:rgb(103, 51, 204)  
}
```

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(103, 51, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 51, 204) }
```

Border

The CSS property to change the border of an element to YUV 83.9900, 59.1649, 16.6718 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(103, 51, 204) }
```


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

```
.border{ border-color:rgb(103, 51, 204) }
```

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

Here you see how a box with a 4 pixel rgb(103, 51, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 51, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 51, 204);  
box-shadow:4px 4px 4px 4px rgb(103, 51,  
204) }
```

Background

The CSS property to change the background color of an element to YUV 83.9900, 59.1649, 16.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 51, 204) }
```

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

```
.background{ background-color: rgb(103, 51,  
204) }
```

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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