

Converting Colors

YUV(100.6670, 76.0862,
49.4040)

Have a look what the booklet for
YUV(100.6670, 76.0862, 49.4040)
contains.

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Color

**YUV(100.6670, 76.0862,
49.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	9D2AFF
RGB	157, 42, 255
RGB Percent	62%, 16%, 100%
CMY	0.3843, 0.8353, 0.0000
CMYK	0.38, 0.84, 0.00, 0.00
HSL	272°, 100%, 58%
HSV	272°, 84%, 100%
XYZ	32.7826, 16.0440, 95.9767
YIQ	100.6670, 0.1670, 90.6230

Conversions

Conversions Part 2

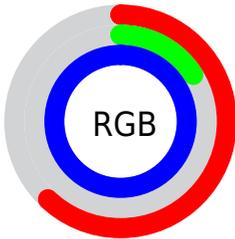
Format	Color
R _{YB}	157, 42, 255
Decimal	10300159
CIE _{Lab}	47.03, 78.96, -83.09
CIE _{LCh}	47, 114.620, 313.540
Y _{xy}	16.0440, 0.2264, 0.1108
Android (android.graphics.Color)	4288490239 (0xFF9D2AFF)
Y _{UV}	100.6670, 76.0862, 49.4040
Hunter-Lab	40.0550, 75.9952, -114.0277

Details

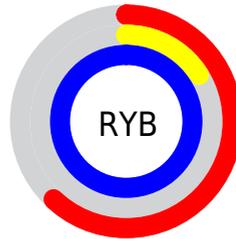
The YUV color **100.6670, 76.0862, 49.4040** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **196.3330, -76.0862, -49.4040**, and the grayscale version is **100.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **155.3000, 49.1521, 54.9879**, and **50.5640, 72.1929, 38.0934** is the 20% darker color. If you saturate the color by 10%, you get **81.8170, 85.3792, 55.4115**, and if you desaturate by 10%, it is **118.9300, 67.0825, 43.9114**.

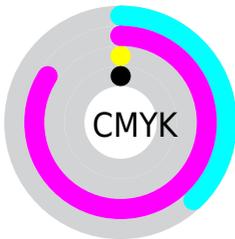
Distribution



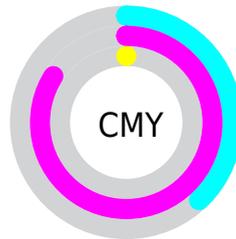
- Red (62%)
- Green (16%)
- Blue (100%)



- Red (62%)
- Yellow (16%)
- Blue (100%)



- Cyan (38%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YUV color 100.6670, 76.0862, 49.4040 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 100.6670, 76.0862, 49.4040 by changing the saturation by 10% instead.

 100.6670, 76.0862,
49.4040

 100.6670, 76.0862,
49.4040

255.0000, 0.0000,
0.0000

 63.4380, 80.1431,
54.8669

 155.3000, 49.1521,
54.9879

 50.5640, 72.1929,
38.0934

 181.8910, 36.0427,
59.7316

 37.2060, 64.9744,
19.9903

 200.4090, 26.9134,
47.8763

 17.8680, 60.7041,
-10.4082

 217.4320, 18.5210,
32.9471

 13.1100, 50.2318,
-11.4975

 234.4550, 10.1287,
18.0180

 10.1460, 38.8750,
-8.8980

 252.0650, 1.4470,

 11.4050, 25.9293,

2.5740

-10.0022

■ 6.4350, 17.0405,
-5.6435

■ 2.7530, 8.0098,
-2.4144

■ 100.6670, 76.0862,
49.4040

■ 100.6670, 76.0862,
49.4040

■ 81.8170, 85.3792,
55.4115

■ 118.9300, 67.0825,
43.9114

■ 70.3320, 91.0413,
59.3448

■ 137.4810, 57.9369,
37.2892

■ 156.3310, 48.6438,
31.2817

■ 174.5940, 39.6402,
25.7891

■ 193.4440, 30.3471,
19.7816

■ 211.4080, 21.4909,
13.6742

■ 230.2580, 12.1978,
7.6667

■ 248.5210, 3.1941,
2.1741

■ 255.0000, 0.0000,
0.0000

Harmonies

Analogous

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



95.4010, 78.6823, -83.6667



100.6670, 76.0862, 49.4040



93.1190, 37.4093, 134.9536

Triad

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



100.6670, 76.0862, 49.4040



103.7040, -51.1261, 65.1576



102.7850, 25.7420, -90.1424

Complementary

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



100.6670, 76.0862, 49.4040



196.3330, -76.0862, -49.4040

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.



89.1680, -18.8168, -78.2003



100.6670, 76.0862, 49.4040



99.4320, -49.0200, -3.8869

Square

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



100.6670, 76.0862, 49.4040



71.1620, -35.0829, 146.3169



80.4190, -39.6466, -70.5275



113.7460, 65.2012, -99.7552

Rectangle

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



100.6670, 76.0862, 49.4040



88.2150, 8.2750, 146.2704



80.4190, -39.6466, -70.5275



98.9090, 10.8909, -86.7432

Sweetspot

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



100.6670, 76.0862, 49.4040



208.7610, 22.7958, 15.1186



124.3950, 64.3883, -72.2604



99.7250, 13.9396, 9.0112



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.



100.6670, 76.0862, 49.4040



70.3320, 91.0413, 59.3448



129.1710, 58.5827, 110.3520



118.5750, 4.6465, 3.0037



52.5710, 68.2455, 44.2262



17.4620, 22.9432, 14.5038

Inverse Universe

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



116.8590, 11.4085, 121.1497



89.5830, 13.5166, 145.0707



167.8290, -58.5827, -110.3520



119.5710, 0.7045, 7.3922



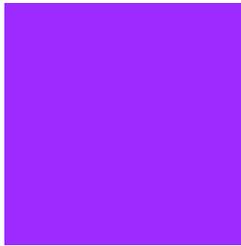
67.1410, 10.2835, 108.6243



22.4420, 3.2331, 36.4464

Previews

White Background



This preview shows how the YUV color 100.6670, 76.0862, 49.4040 looks on a white background.

Color Contrast Check

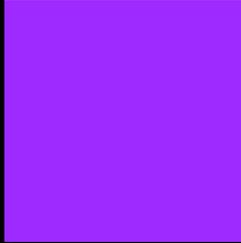
Large Text (above 18pt) WCAG AA ✓ Pass

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 100.6670, 76.0862, 49.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

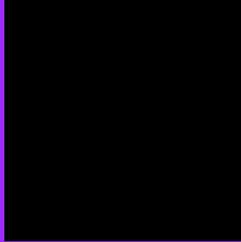
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

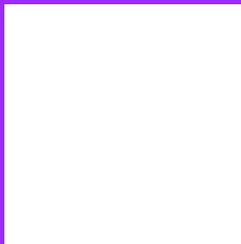
Any Text WCAG AAA × Fail

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

YUV 100.6670, 76.0862, 49.4040 Background



This preview shows how black text looks on a background with the YUV color 100.6670, 76.0862, 49.4040.



This preview shows how white text looks on a background with the YUV color 100.6670, 76.0862,

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

100.6670, 76.0862, 49.4040

Protanopia

89.2740, 67.8989, -78.2933

Deuteranopia

89.2620, 52.6218, -78.2828



Tritanopia

112.7890, 0.1040, 13.3400

Trichromacy



Original Color

100.6670, 76.0862, 49.4040



Protanomaly

93.3690, 70.8101, -31.8956



Deuteranomaly

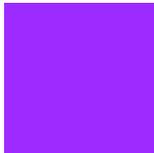
93.4370, 60.9166, -31.9552



Tritanomaly

108.5050, 27.8520, 26.7441

Monochromacy



Original Color

100.6670, 76.0862, 49.4040



Achromatopsia

101.0000, 0.0000, 0.0000



Achromatomaly

101.0370, 27.5898, 17.5076

CSS Examples

Text

The CSS property to change the color of the text to YUV 100.6670, 76.0862, 49.4040 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(157, 42, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 42, 255)  
}
```

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(157, 42, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 42, 255) }
```

Border

The CSS property to change the border of an element to YUV 100.6670, 76.0862, 49.4040 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(157, 42, 255) }
```

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

```
.border{ border-color:rgb(157, 42, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 42, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 42, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 42, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 42,  
255) }
```

Background

The CSS property to change the background color of an element to YUV 100.6670, 76.0862, 49.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 42, 255) }
```

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

```
.background{ background-color: rgb(157, 42,  
255) }
```

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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