

# Converting Colors

YUV(82.5000, 76.1685, 69.7215)

Have a look what the booklet for  
YUV(82.5000, 76.1685, 69.7215)  
contains.

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# Color

**YUV(82.5000, 76.1685,  
69.7215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A20CED
RGB	162, 12, 237
RGB Percent	64%, 5%, 93%
CMY	0.3647, 0.9529, 0.0706
CMYK	0.32, 0.95, 0.00, 0.07
HSL	280°, 90%, 49%
HSV	280°, 95%, 93%
XYZ	30.3178, 14.0588, 81.2364
YIQ	82.5000, 17.1750, 101.7750

# Conversions

## Conversions Part 2

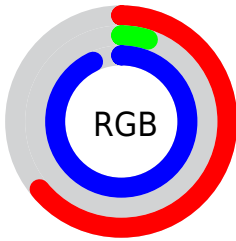
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 12, 237
Decimal	10620141
CIELab	44.32, 81.64, -77.40
CIElCh	44, 112.501, 316.528
Yxy	14.0588, 0.2414, 0.1119
Android (android.graphics.Color)	4288810221 (0xFFA20CED)
YUV	82.5000, 76.1685, 69.7215
Hunter-Lab	37.4950, 78.7158, -102.2109

# Details

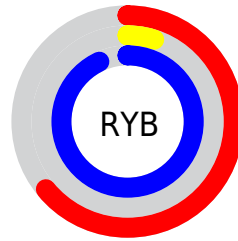
The YUV color **82.5000, 76.1685, 69.7215** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **166.5000, -76.1685, -69.7215**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.5770, 52.4665, 65.2690**, and **50.7190, 63.7355, 44.0964** is the 20% darker color. If you saturate the color by 10%, you get **74.2600, 80.2308, 73.4400**, and if you desaturate by 10%, it is **98.9800, 68.0439, 62.2845**.

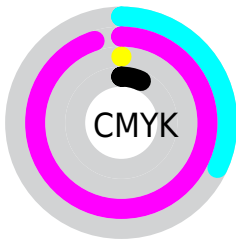
# Distribution



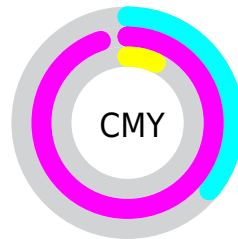
- Red (64%)
- Green (5%)
- Blue (93%)



- Red (64%)
- Yellow (5%)
- Blue (93%)



- Cyan (32%)
- Magenta (95%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (95%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 82.5000, 76.1685, 69.7215 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 82.5000, 76.1685, 69.7215 by changing the saturation by 10% instead.



82.5000, 76.1685,  
69.7215

82.5000, 76.1685,  
69.7215

255.0000, 0.0000,  
0.0000

63.1800, 71.3963,  
60.3551

148.5770, 52.4665,  
65.2690

50.7190, 63.7355,  
44.0964

175.4560, 39.2152,  
68.8831

38.2580, 56.0748,  
27.8377

192.7780, 30.6754,  
54.5687

24.4160, 49.5879,  
8.4052

209.8010, 22.2831,  
39.6395

11.2860, 43.2430,  
-9.8978

227.4110, 13.6014,  
24.1956

8.4360, 32.3231,  
-7.3984

245.0210, 4.9196,

8.0480, 20.6823,

8.7516

-7.0581

■ 4.3660, 11.6516,  
-3.8290

■ 0.0000, 0.0000,  
0.0000

■ 82.5000, 76.1685,  
69.7215

■ 82.5000, 76.1685,  
69.7215

■ 74.2600, 80.2308,  
73.4400

■ 98.9800, 68.0439,  
62.2845

■ 114.8730, 60.2086,  
55.3624

■ 131.3530, 52.0840,  
47.9254

■ 147.8330, 43.9593,  
40.4885

■ 164.3130, 35.8347,  
33.0515

■ 179.9070, 28.1468,  
25.5146

■ 196.3870, 20.0222,  
18.0776

■ 212.8670, 11.8976,  
10.6406

■ 228.7600, 4.0623,  
3.7185

# Harmonies

## Analogous

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



88.9440, 81.8656, -78.0039



82.5000, 76.1685, 69.7215



89.2730, 30.4314, 133.0646

# Triad

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



82.5000, 76.1685, 69.7215



98.3330, -48.4782, 55.8360



98.2030, 28.4939, -86.1240

# Complementary

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



82.5000, 76.1685, 69.7215



166.5000, -76.1685, -69.7215

# 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.



85.7430, -14.1703, -75.1966



82.5000, 76.1685, 69.7215



92.0010, -45.3565, -12.2789

# Square

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



82.5000, 76.1685, 69.7215



66.3780, -32.7244, 136.4805



76.3100, -37.6208, -66.9239



108.7080, 66.2060, -95.3369



# Rectangle

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



82.5000, 76.1685, 69.7215



86.5050, 1.7230, 147.7701



76.3100, -37.6208, -66.9239



94.5550, 14.5164, -82.9247

# Sweetspot

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



82.5000, 76.1685, 69.7215



206.1470, 24.0845, 21.7961



81.6750, 76.5752, -61.1050



97.6870, 14.9443, 13.4295



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.



82.5000, 76.1685, 69.7215



79.9000, 86.3243, 79.0177



100.5930, 48.5147, 119.6289



109.3470, 3.7729, 3.2037



56.8130, 61.2242, 56.2920



16.9200, 18.2804, 16.7332



# Inverse Universe

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



87.8250, -0.4067, 130.8265



85.9350, -0.4610, 148.2700



148.2930, -48.9514, -119.5290



109.6310, -0.3111, 6.4626



60.9590, -0.4728, 105.2760



18.1980, -0.0976, 31.3984



# Previews

## White Background



This preview shows how the YUV color 82.5000, 76.1685, 69.7215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

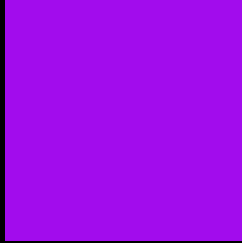
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 82.5000, 76.1685, 69.7215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

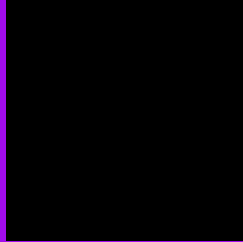
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 82.5000, 76.1685, 69.7215

## Background



This preview shows how black text looks on a background with the YUV color 82.5000, 76.1685, 69.7215.



This preview shows how white text looks on a background with the YUV color 82.5000, 76.1685,

69.7215.

# 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

82.5000, 76.1685, 69.7215

### Protanopia

84.3840, 64.3937, -74.0048

### Deuteranopia

84.6000, 49.9902, -74.1942



## Tritanopia

107.2530, -3.5757, 26.9651

# Trichromacy



## Original Color

82.5000, 76.1685, 69.7215

## Protanomaly

83.5660, 68.7410, -21.5444

## Deuteranomaly

83.8620, 59.7210, -21.8040

## Tritanomaly

98.6210, 25.3298, 42.4284

# Monochromacy



## Original Color

82.5000, 76.1685, 69.7215

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

82.7930, 27.7101, 25.6145

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 82.5000, 76.1685, 69.7215 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(162, 12, 237)` looks like.

```
.text, #text, p{  
    color:rgb(162, 12, 237)  
}
```

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(162, 12, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 12, 237) }
```

## Border

The CSS property to change the border of an element to YUV 82.5000, 76.1685, 69.7215 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(162, 12, 237) }
```



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

```
.border{ border-color:rgb(162, 12, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 12, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 12, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 12, 237);  
box-shadow:4px 4px 4px 4px rgb(162, 12,  
237) }
```

# Background

The CSS property to change the background color of an element to YUV 82.5000, 76.1685, 69.7215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 12, 237) }
```

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

```
.background{ background-color: rgb(162, 12,  
237) }
```

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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