

# Converting Colors

YUV(90.0730, 60.1100, 40.2780)

Have a look what the booklet for  
YUV(90.0730, 60.1100, 40.2780)  
contains.

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# Color

**YUV(90.0730, 60.1100,  
40.2780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	882BD4
RGB	136, 43, 212
RGB Percent	53%, 17%, 83%
CMY	0.4667, 0.8314, 0.1686
CMYK	0.36, 0.80, 0.00, 0.17
HSL	273°, 66%, 50%
HSV	273°, 80%, 83%
XYZ	22.9009, 11.7155, 63.3417
YIQ	90.0730, 1.1790, 72.2750

# Conversions

## Conversions Part 2

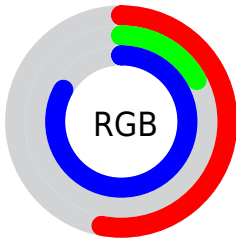
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 43, 212
Decimal	8924116
CIE <sub>Lab</sub>	40.76, 66.47, -69.10
CIE <sub>LCh</sub>	41, 95.879, 313.892
Yxy	11.7155, 0.2338, 0.1196
Android (android.graphics.Color)	4287114196 (0xFF882BD4)
YUV	90.0730, 60.1100, 40.2780
Hunter-Lab	34.2279, 59.5305, -85.7619

# Details

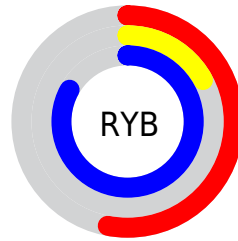
The YUV color **90.0730, 60.1100, 40.2780** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **164.9270, -60.1100, -40.2780**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **146.0750, 53.7000, 42.9072**, and **40.8070, 56.7901, 31.7413** is the 20% darker color. If you saturate the color by 10%, you get **74.7560, 67.6613, 44.9410**, and if you desaturate by 10%, it is **105.3900, 52.5587, 35.6150**.

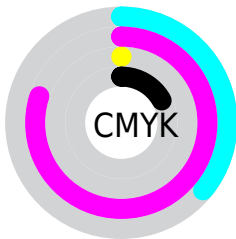
# Distribution



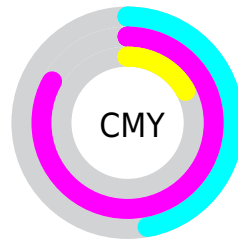
- Red (53%)
- Green (17%)
- Blue (83%)



- Red (53%)
- Yellow (17%)
- Blue (83%)



- Cyan (36%)
- Magenta (80%)
- Yellow (0%)
- Black (17%)



- Cyan (47%)
- Magenta (83%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 90.0730, 60.1100, 40.2780 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 90.0730, 60.1100, 40.2780 by changing the saturation by 10% instead.



90.0730, 60.1100,  
40.2780

90.0730, 60.1100,  
40.2780

255.0000, 0.0000,  
0.0000

52.9690, 64.5983,  
47.3852

146.0750, 53.7000,  
42.9072

40.8070, 56.7901,  
31.7413

171.4810, 41.1749,  
46.9362

27.8620, 49.8610,  
14.1530

196.3000, 28.9391,  
51.4799

12.3400, 44.6954,  
-9.0682

213.3230, 20.5468,  
36.5507

8.8920, 34.0702,  
-7.7983

230.3460, 12.1544,  
21.6216

9.0910, 22.1401,  
-7.9728

247.3690, 3.7621,

4.8220, 13.3988,

6.6924

-4.2289

■ 0.4560, 1.7472,  
-0.3999

■ 0.0000, 0.0000,  
0.0000

■ 90.0730, 60.1100,  
40.2780

■ 90.0730, 60.1100,  
40.2780

■ 74.7560, 67.6613,  
44.9410

■ 105.3900, 52.5587,  
35.6150

■ 59.7380, 75.0652,  
50.2188

■ 120.4080, 45.1549,  
30.3372

■ 59.1510, 75.3546,  
50.7336

■ 136.3120, 37.3142,  
25.1594

■ 151.3300, 29.9103,  
19.8816

■ 166.6470, 22.3590,  
15.2186

■ 181.6650, 14.9552,  
9.9408

■ 196.9820, 7.4039,  
5.2778

■ 212.5870, -0.2894,  
-0.5148

■ 227.9040, -7.8407,  
-5.1778

# Harmonies

## Analogous

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



85.1940, 82.7284, -74.7151



90.0730, 60.1100, 40.2780



78.3800, 31.3647, 113.6767

# Triad

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



90.0730, 60.1100, 40.2780



89.7610, -44.2522, 53.7066



88.4230, 21.4835, -77.5470

# Complementary

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



90.0730, 60.1100, 40.2780



164.9270, -60.1100, -40.2780

# 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.



77.0860, -14.3394, -67.6044



90.0730, 60.1100, 40.2780



86.1640, -42.4789, -1.8978

# Square

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



90.0730, 60.1100, 40.2780



59.8000, -29.4814, 122.9554



68.6790, -33.8587, -60.2315



96.8590, 53.8065, -84.9453



# Rectangle

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



90.0730, 60.1100, 40.2780



76.9370, 6.4401, 128.0973



68.6790, -33.8587, -60.2315



84.7580, 9.9793, -74.3328

# Sweetspot

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



90.0730, 60.1100, 40.2780



210.8210, 21.7802, 14.1890



106.8780, 51.8251, -56.0210



101.1980, 13.2134, 8.5964



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.



90.0730, 60.1100, 40.2780



78.2950, 87.1156, 58.5003



111.8850, 45.4127, 87.8009



99.0480, 3.9203, 2.5889



47.6000, 60.8362, 40.6928



12.0780, 15.2445, 10.4556



# Inverse Universe

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



102.1950, 8.2849, 96.2990



95.7950, 11.9331, 139.6228



143.1150, -45.4127, -87.8009



99.8590, 0.5625, 6.2627



59.9070, 8.4268, 97.4286

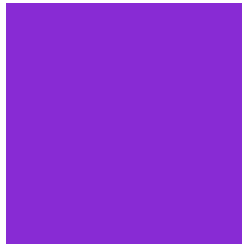


15.0230, 1.9607, 24.5358



# Previews

## White Background



This preview shows how the YUV color 90.0730, 60.1100, 40.2780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

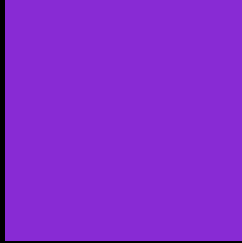
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 90.0730, 60.1100, 40.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

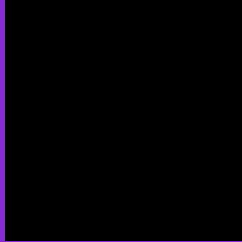
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 90.0730, 60.1100, 40.2780

## Background



This preview shows how black text looks on a background with the YUV color 90.0730, 60.1100, 40.2780.



This preview shows how white text looks on a background with the YUV color 90.0730, 60.1100,



# 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

90.0730, 60.1100, 40.2780

### Deuteranopia

77.4930, 45.6060, -67.9614

### Tritanopia

97.6750, -0.3328, 13.4400

# Trichromacy



**Original Color**

90.0730, 60.1100, 40.2780

**Deuteranomaly**

82.1140, 50.7228, -29.0410

**Tritanomaly**

94.8760, 21.7531, 22.9107

# Monochromacy



**Original Color**

90.0730, 60.1100, 40.2780

**Achromatopsia**

90.0000, 0.0000, 0.0000

**Achromatomaly**

90.1200, 21.6328, 14.8038

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.0730, 60.1100, 40.2780 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(136, 43, 212)` looks like.

```
.text, #text, p{  
    color:rgb(136, 43, 212)  
}
```

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(136, 43, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 43, 212) }
```

## Border

The CSS property to change the border of an element to YUV 90.0730, 60.1100, 40.2780 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(136, 43, 212) }
```

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

```
.border{ border-color:rgb(136, 43, 212) }
```

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

Here you see how a box with a 4 pixel rgb(136, 43, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 43, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 43, 212);  
box-shadow:4px 4px 4px 4px rgb(136, 43,  
212) }
```



# Background

The CSS property to change the background color of an element to YUV 90.0730, 60.1100, 40.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 43, 212) }
```

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

```
.background{ background-color: rgb(136, 43,  
212) }
```

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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