

# Converting Colors

YUV(90.3900, 49.1077, 22.4600)

Have a look what the booklet for  
YUV(90.3900, 49.1077, 22.4600)  
contains.

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# Color

**YUV(90.3900, 49.1077,  
22.4600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	743ABE
RGB	116, 58, 190
RGB Percent	45%, 23%, 75%
CMY	0.5451, 0.7725, 0.2549
CMYK	0.39, 0.69, 0.00, 0.25
HSL	266°, 53%, 49%
HSV	266°, 69%, 75%
XYZ	18.0098, 10.4568, 49.7843
YIQ	90.3900, -7.8040, 53.3480

# Conversions

## Conversions Part 2

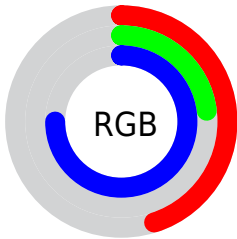
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	116, 58, 190
Decimal	7617214
CIE Lab	38.65, 51.62, -59.85
CIE LCh	39, 79.040, 310.777
Yxy	10.4568, 0.2302, 0.1336
Android (android.graphics.Color)	4285807294 (0xFF743ABE)
YUV	90.3900, 49.1077, 22.4600
Hunter-Lab	32.3370, 42.8241, -68.6438

# Details

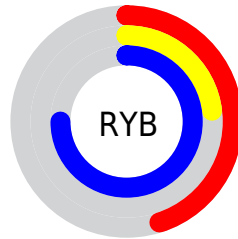
The YUV color **90.3900, 49.1077, 22.4600** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **157.6100, -49.1077, -22.4600**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **143.8680, 50.8441, 25.5488**, and **32.7320, 50.4181, 22.1600** is the 20% darker color. If you saturate the color by 10%, you get **75.9480, 56.2276, 25.4786**, and if you desaturate by 10%, it is **104.8320, 41.9878, 19.4413**.

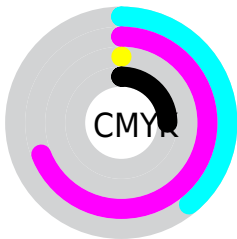
# Distribution



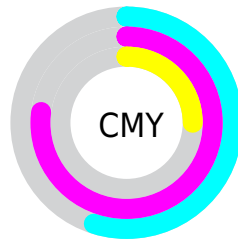
- Red (45%)
- Green (23%)
- Blue (75%)



- Red (45%)
- Yellow (23%)
- Blue (75%)



- Cyan (39%)
- Magenta (69%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (77%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 90.3900, 49.1077, 22.4600 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 90.3900, 49.1077, 22.4600 by changing the saturation by 10% instead.



90.3900, 49.1077,  
22.4600

90.3900, 49.1077,  
22.4600

255.0000, 0.0000,  
0.0000

63.5640, 48.5289,  
21.4304

143.8680, 50.8441,  
25.5488

32.7320, 50.4181,  
22.1600

169.3000, 42.2501,  
28.6779

19.9010, 43.9258,  
4.4718

194.1190, 30.0143,  
33.2216

9.5760, 36.6910,  
-8.3982

217.4320, 18.5210,  
32.9471

9.1880, 25.0503,  
-8.0579

233.8680, 10.4181,  
18.5328

5.3920, 15.5827,  
-4.7288

250.8910, 2.0257,

2.1830, 5.8258,

3.6036

-1.9145

■ 0.0000, 0.0000,  
0.0000

■ 90.3900, 49.1077,  
22.4600

■ 90.3900, 49.1077,  
22.4600

■ 75.9480, 56.2276,  
25.4786

■ 104.8320, 41.9878,  
19.4413

■ 61.8050, 63.2001,  
29.1120

■ 118.9750, 35.0153,  
15.8079

■ 47.3630, 70.3200,  
32.1306

■ 133.4170, 27.8954,  
12.7893

■ 46.4770, 70.7568,  
32.0307

■ 147.8590, 20.7755,  
9.7707

■ 162.0020, 13.8030,  
6.1372

■ 176.4440, 6.6831,  
3.1186

■ 190.8860, -0.4368,  
0.1000

■ 205.0290, -7.4093,  
-3.5334

■ 219.4710,  
-14.5292, -6.5521

# Harmonies

## Analogous

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



79.6710, 69.1822, -69.8715



90.3900, 49.1077, 22.4600



69.2100, 32.4345, 97.1628

# Triad

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



90.3900, 49.1077, 22.4600



85.3200, -42.0628, 51.4624



80.9740, 15.7888, -71.0142

# Complementary

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



90.3900, 49.1077, 22.4600



157.6100, -49.1077, -22.4600

# 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.



72.0480, -13.3347, -63.1861



90.3900, 49.1077, 22.4600



83.5610, -41.1956, 6.5240

# Square

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



90.3900, 49.1077, 22.4600



65.7990, -31.4529, 101.9083



63.3960, -31.2542, -55.5983



88.0420, 42.8703, -77.2128



# Rectangle

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



90.3900, 49.1077, 22.4600



69.0920, 11.2936, 111.2983



63.3960, -31.2542, -55.5983



77.8790, 6.4687, -68.2999

# Sweetspot

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



90.3900, 49.1077, 22.4600



207.8050, 19.3231, 8.9410



117.0730, 35.9530, -51.8070



101.4210, 11.6244, 4.8928



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



90.3900, 49.1077, 22.4600



92.2800, 76.2770, 34.8344



109.8250, 39.5263, 62.4205



87.2220, 3.3416, 1.5593



38.6430, 58.8430, 26.6231



7.4210, 11.6244, 4.8928



# Inverse Universe

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



105.9040, 12.8653, 73.7522



116.4050, 20.0133, 114.5318



138.1750, -39.5263, -62.4205



88.2610, 0.8573, 5.0331



57.3880, 15.5847, 88.2367

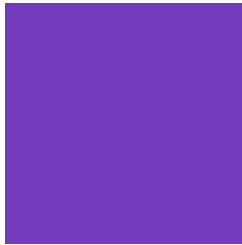


11.2070, 2.8559, 17.3585



# Previews

## White Background



This preview shows how the YUV color 90.3900, 49.1077, 22.4600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

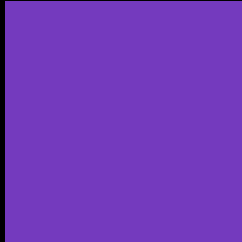
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 90.3900, 49.1077, 22.4600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

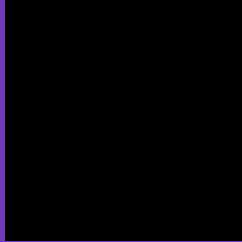
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 90.3900, 49.1077, 22.4600

## Background



This preview shows how black text looks on a background with the YUV color 90.3900, 49.1077, 22.4600.



This preview shows how white text looks on a background with the YUV color 90.3900, 49.1077,



# 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

90.3900, 49.1077, 22.4600

### Protanopia

72.8600, 55.7780, -63.8982

### Deuteranopia

73.0590, 43.8479, -64.0727



## Tritanopia

91.8910, 2.0257, 3.6036

# Trichromacy



## Original Color

90.3900, 49.1077, 22.4600

## Protanomaly

79.0750, 53.2070, -32.5148

## Deuteranomaly

79.1260, 45.7869, -32.5595

## Tritanomaly

91.4030, 19.0283, 10.1706

# Monochromacy



## Original Color

90.3900, 49.1077, 22.4600

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

89.7510, 17.8708, 8.1114

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.3900, 49.1077, 22.4600 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(116, 58, 190)` looks like.

```
.text, #text, p{  
    color:rgb(116, 58, 190)  
}
```

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(116, 58, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 58, 190) }
```

## Border

The CSS property to change the border of an element to YUV 90.3900, 49.1077, 22.4600 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(116, 58, 190) }
```



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

```
.border{ border-color:rgb(116, 58, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 58, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 58, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 58, 190); box-shadow:4px 4px 4px 4px rgb(116, 58, 190) }
```

# Background

The CSS property to change the background color of an element to YUV 90.3900, 49.1077, 22.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 58, 190) }
```

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

```
.background{ background-color: rgb(116, 58,  
190) }
```

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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