

# Converting Colors

YUV(87.3780, 33.8306, 22.4705)

Have a look what the booklet for  
YUV(87.3780, 33.8306, 22.4705)  
contains.

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# Color

**YUV(87.3780, 33.8306,  
22.4705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	713D9C
RGB	113, 61, 156
RGB Percent	44%, 24%, 61%
CMY	0.5569, 0.7608, 0.3882
CMYK	0.28, 0.61, 0.00, 0.39
HSL	273°, 44%, 43%
HSV	273°, 61%, 61%
XYZ	14.4795, 9.2485, 32.4745
YIQ	87.3780, 0.4970, 40.5690

# Conversions

## Conversions Part 2

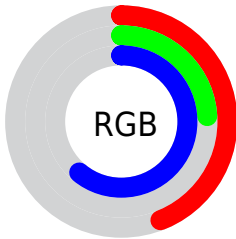
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 61, 156
Decimal	7421340
CIE Lab	36.46, 40.93, -43.18
CIE LCh	36, 59.493, 313.464
Yxy	9.2485, 0.2576, 0.1646
Android (android.graphics.Color)	4285611420 (0xFF713D9C)
YUV	87.3780, 33.8306, 22.4705
Hunter-Lab	30.4113, 31.7681, -42.0243

# Details

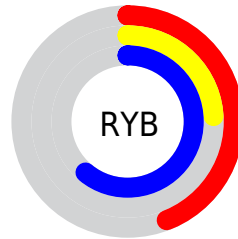
The YUV color **87.3780, 33.8306, 22.4705** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **129.6220, -33.8306, -22.4705**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.4430, 35.2776, 25.0445**, and **35.6660, 33.6887, 21.3409** is the 20% darker color. If you saturate the color by 10%, you get **75.8930, 39.4928, 26.4038**, and if you desaturate by 10%, it is **98.8630, 28.1685, 18.5371**.

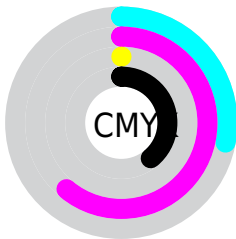
# Distribution



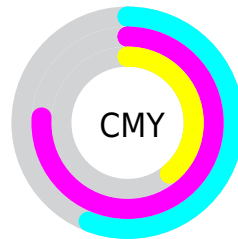
- Red (44%)
- Green (24%)
- Blue (61%)



- Red (44%)
- Yellow (24%)
- Blue (61%)



- Cyan (28%)
- Magenta (61%)
- Yellow (0%)
- Black (39%)



- Cyan (56%)
- Magenta (76%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.3780, 33.8306, 22.4705 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 87.3780, 33.8306, 22.4705 by changing the saturation by 10% instead.



87.3780, 33.8306,  
22.4705

87.3780, 33.8306,  
22.4705

255.0000, 0.0000,  
0.0000

62.5520, 33.2519,  
21.4409

139.4430, 35.2776,  
25.0445

35.6660, 33.6887,  
21.3409

166.3830, 36.2932,  
25.9741

19.1720, 29.4952,  
13.0042

192.3140, 30.9042,  
27.7886

8.1780, 23.5762,  
-1.9101

217.7200, 18.3790,  
31.8176

4.9360, 13.8356,  
-4.3289

234.4550, 10.1287,  
18.0180

0.6840, 2.6208,  
-0.5999

251.4780, 1.7363,

0.0000, 0.0000,

3.0888

0.0000

■ 87.3780, 33.8306,  
22.4705

■ 87.3780, 33.8306,  
22.4705

■ 75.8930, 39.4928,  
26.4038

■ 98.8630, 28.1685,  
18.5371

■ 64.9950, 44.8655,  
29.8224

■ 109.7610, 22.7958,  
15.1186

■ 53.5100, 50.5276,  
33.7557

■ 121.2460, 17.1337,  
11.1853

■ 43.1990, 55.6109,  
36.6595

■ 132.1440, 11.7610,  
7.7667

■ 143.6290, 6.0989,  
3.8334

■ 155.1140, 0.4368,  
-0.1000

■ 166.0120, -4.9359,  
-3.5185

■ 177.4970,  
-10.5980, -7.4519

■ 188.6940,  
-16.1181, -10.2556

# Harmonies

## Analogous

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



70.4150, 54.0254, -61.7540



87.3780, 33.8306, 22.4705



77.2500, 18.1178, 69.0638

# Triad

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



87.3780, 33.8306, 22.4705



81.1120, -39.9882, 39.3668



74.4200, 16.0619, -65.2663

# Complementary

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



87.3780, 33.8306, 22.4705



129.6220, -33.8306, -22.4705

# 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.



68.1330, -5.4886, -59.7526



87.3780, 33.8306, 22.4705



78.2450, -38.5748, 5.9241

# Square

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



87.3780, 33.8306, 22.4705



77.6870, -28.4397, 68.6805



64.6800, -31.8872, -39.1844



78.8490, 35.5704, -69.1506



# Rectangle

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



87.3780, 33.8306, 22.4705



69.2600, 6.2808, 85.7180



64.6800, -31.8872, -39.1844



72.4820, 8.6364, -63.5667

# Sweetspot

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



87.3780, 33.8306, 22.4705



177.1980, 13.2134, 8.5964



97.6580, 28.7626, -32.1491



86.0960, 7.8407, 5.1778



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



87.3780, 33.8306, 22.4705



96.5040, 52.9955, 35.5150



99.8930, 26.1818, 49.2058



73.1080, 2.9048, 1.6593



39.6240, 50.9644, 33.6558



4.1020, 5.3727, 3.4185



# Inverse Universe

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



94.3070, 4.7786, 54.1048



107.1890, 7.3018, 84.9032



117.1070, -26.1818, -49.2058



73.8480, 0.5679, 4.5183



50.1670, 7.3127, 81.4145

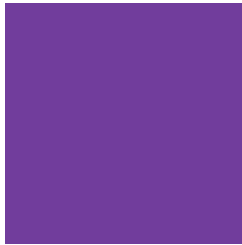


5.2830, 0.8465, 8.5218



# Previews

## White Background



This preview shows how the YUV color 87.3780, 33.8306, 22.4705 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 87.3780, 33.8306, 22.4705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

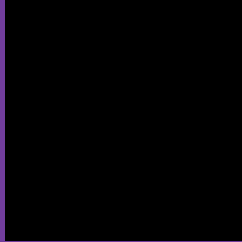
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.3780, 33.8306, 22.4705

## Background



This preview shows how black text looks on a background with the YUV color 87.3780, 33.8306, 22.4705.



This preview shows how white text looks on a background with the YUV color 87.3780, 33.8306,



# 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

87.3780, 33.8306, 22.4705

### Protanopia

68.8990, 53.2938, -60.4244

### Deuteranopia

77.8510, 36.0625, -40.2113



## Tritanopia

87.6640, -0.3274, 11.6957

# Trichromacy



## Original Color

87.3780, 33.8306, 22.4705

## Protanomaly

75.5500, 46.0709, -30.3003

## Deuteranomaly

81.4670, 35.2658, -17.9496

## Tritanomaly

87.6010, 12.0287, 15.2589

# Monochromacy



## Original Color

87.3780, 33.8306, 22.4705

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.2580, 12.1978, 7.6667

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.3780, 33.8306, 22.4705 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(113, 61, 156)` looks like.

```
.text, #text, p{  
    color:rgb(113, 61, 156)  
}
```

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(113, 61, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 61, 156) }
```

## Border

The CSS property to change the border of an element to YUV 87.3780, 33.8306, 22.4705 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(113, 61, 156) }
```



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

```
.border{ border-color:rgb(113, 61, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 61, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 61, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 61, 156);  
box-shadow:4px 4px 4px 4px rgb(113, 61,  
156) }
```

# Background

The CSS property to change the background color of an element to YUV 87.3780, 33.8306, 22.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 61, 156) }
```

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

```
.background{ background-color: rgb(113, 61,  
156) }
```

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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