

# Converting Colors

YUV(96.8010, 18.8321, 26.4845)

Have a look what the booklet for  
YUV(96.8010, 18.8321, 26.4845)  
contains.

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# Color

**YUV(96.8010, 18.8321,  
26.4845)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F4A87
RGB	127, 74, 135
RGB Percent	50%, 29%, 53%
CMY	0.5020, 0.7098, 0.4706
CMYK	0.06, 0.45, 0.00, 0.47
HSL	292°, 29%, 41%
HSV	292°, 45%, 53%
XYZ	15.5744, 11.1589, 24.2547
YIQ	96.8010, 12.0070, 30.2070

# Conversions

## Conversions Part 2

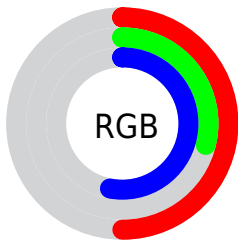
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 74, 135
Decimal	8342151
CIE <sub>Lab</sub>	39.85, 32.89, -24.95
CIE <sub>LCh</sub>	40, 41.282, 322.813
Yxy	11.1589, 0.3055, 0.2189
Android (android.graphics.Color)	4286532231 (0xFF7F4A87)
YUV	96.8010, 18.8321, 26.4845
Hunter-Lab	33.4049, 24.7635, -19.6660

# Details

The YUV color **96.8010, 18.8321, 26.4845** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **112.1990, -18.8321, -26.4845**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.4530, 19.9897, 28.5437**, and **47.6760, 18.4007, 24.8401** is the 20% darker color. If you saturate the color by 10%, you get **88.5720, 22.8890, 31.9474**, and if you desaturate by 10%, it is **105.6170, 14.4858, 20.5069**.

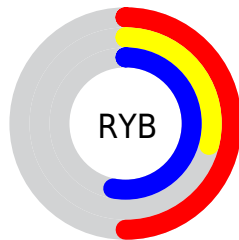
# Distribution



Red (50%)

Green (29%)

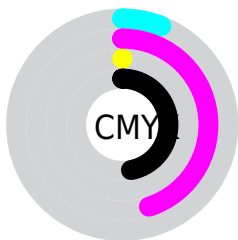
Blue (53%)



Red (50%)

Yellow (29%)

Blue (53%)

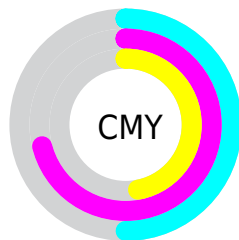


Cyan (6%)

Magenta (45%)

Yellow (0%)

Black (47%)



Cyan (50%)

Magenta (71%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 96.8010, 18.8321, 26.4845 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 96.8010, 18.8321, 26.4845 by changing the saturation by 10% instead.



96.8010, 18.8321,  
26.4845

96.8010, 18.8321,  
26.4845

255.0000, 0.0000,  
0.0000

71.9750, 18.2533,  
25.4549

148.4530, 19.9897,  
28.5437

47.6760, 18.4007,  
24.8401

175.7520, 19.8423,  
29.1585

23.6760, 18.4007,  
24.8401

203.5780, 20.4210,  
30.1881

14.7260, 12.4601,  
16.9033

225.6500, 14.4696,  
25.7400

2.5250, 7.1362,  
-2.2144

242.6730, 6.0772,  
10.8108

0.0000, 0.0000,  
0.0000

96.8010, 18.8321,  
26.4845

96.8010, 18.8321,  
26.4845

88.5720, 22.8890,  
31.9474

105.6170, 14.4858,  
20.5069

79.7560, 27.2353,  
37.9250

113.8460, 10.4289,  
15.0441

71.2390, 31.4342,  
44.5174

122.3630, 6.2300,  
8.4516

63.0100, 35.4911,  
49.9802

130.5920, 2.1731,  
2.9888

54.1940, 39.8374,  
55.9579

139.4080, -2.1731,  
-2.9888


50.3730, 41.7211,  
58.4319

147.6370, -6.2300,  
-8.4516

156.1540,  
-10.4289, -15.0441

164.3830,

-14.4858, -20.5069

 173.1990,  
-18.8321, -26.4845

# Harmonies

## Analogous

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



93.3600, 30.8815, -11.7167



96.8010, 18.8321, 26.4845



94.4590, 4.2107, 49.5865

# Triad

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



96.8010, 18.8321, 26.4845



90.3320, -33.6877, 25.1418



78.1360, 20.1460, -68.5253

# Complementary

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



96.8010, 18.8321, 26.4845



112.1990, -18.8321, -26.4845

# 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.



74.1460, 4.8580, -65.0260



96.8010, 18.8321, 26.4845



87.6770, -30.4068, -0.5937

# Square

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



96.8010, 18.8321, 26.4845



92.0430, -25.1642, 44.6893



81.1920, -14.8847, -32.6174



79.5670, 33.2445, -69.7803



# Rectangle

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



96.8010, 18.8321, 26.4845



92.8590, -5.8465, 55.3747



81.1920, -14.8847, -32.6174



76.8820, 15.3412, -67.4255

# Sweetspot

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



96.8010, 18.8321, 26.4845



160.4280, 7.6770, 11.0256



85.6500, 24.3296, -10.2170



79.5970, 4.6357, 6.4924



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



96.8010, 18.8321, 26.4845



116.3480, 29.4084, 40.9138



96.6850, 8.0433, 33.6023



62.1790, 1.8838, 2.4740



48.6070, 40.1267, 56.4727



0.9400, 1.0156, 0.9296



# Inverse Universe

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



93.1510, -5.4974, 36.7016



110.7730, -8.7621, 57.2041



112.3150, -8.0433, -33.6023



61.9080, -0.4476, 3.5887



40.8080, -11.7373, 78.2214

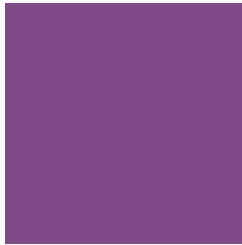


0.8970, -0.4422, 1.8443



# Previews

## White Background



This preview shows how the YUV color 96.8010, 18.8321, 26.4845 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 96.8010, 18.8321, 26.4845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

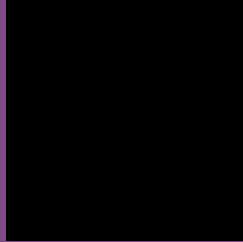
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 96.8010, 18.8321, 26.4845

## Background



This preview shows how black text looks on a background with the YUV color 96.8010, 18.8321, 26.4845.



This preview shows how white text looks on a background with the YUV color 96.8010, 18.8321,



# 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

96.8010, 18.8321, 26.4845

### Protanopia

92.6320, 28.2824, -18.0943

### Deuteranopia

94.0430, 18.2198, -10.5617



## Tritanopia

95.8610, -2.3965, 22.0469

# Trichromacy



## Original Color

96.8010, 18.8321, 26.4845

## Protanomaly

93.9330, 25.1760, -1.6952

## Deuteranomaly

94.8320, 18.3238, 2.7783

## Tritanomaly

95.9350, 5.4550, 23.7360

# Monochromacy



## Original Color

96.8010, 18.8321, 26.4845

## Achromatopsia

97.0000, 0.0000, 0.0000

## Achromatomaly

97.1890, 6.8088, 9.4812

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 96.8010, 18.8321, 26.4845 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(127, 74, 135)` looks like.

```
.text, #text, p{  
    color:rgb(127, 74, 135)  
}
```

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(127, 74, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 74, 135) }
```

## Border

The CSS property to change the border of an element to YUV 96.8010, 18.8321, 26.4845 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(127, 74, 135) }
```



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

```
.border{ border-color:rgb(127, 74, 135) }
```

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

Here you see how a box with a 4 pixel rgb(127, 74, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 74, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 74, 135);  
box-shadow:4px 4px 4px 4px rgb(127, 74,  
135) }
```

# Background

The CSS property to change the background color of an element to YUV 96.8010, 18.8321, 26.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 74, 135) }
```

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

```
.background{ background-color: rgb(127, 74,  
135) }
```

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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