

# Converting Colors

YUV(100.4930, 12.5750,  
26.7546)

Have a look what the booklet for  
YUV(100.4930, 12.5750, 26.7546)  
contains.

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# Color

**YUV(100.4930, 12.5750,  
26.7546)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83507E
RGB	131, 80, 126
RGB Percent	51%, 31%, 49%
CMY	0.4863, 0.6863, 0.5059
CMYK	0.00, 0.39, 0.04, 0.49
HSL	306°, 24%, 41%
HSV	306°, 39%, 51%
XYZ	15.9946, 12.0690, 21.2252
YIQ	100.4930, 15.6300, 25.1180

# Conversions

## Conversions Part 2

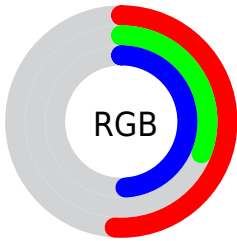
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	131, 80, 126
Decimal	8605822
CIE Lab	41.33, 28.95, -17.13
CIE LCh	41, 33.640, 329.393
Yxy	12.0690, 0.3245, 0.2449
Android (android.graphics.Color)	4286795902 (0xFF83507E)
YUV	100.4930, 12.5750, 26.7546
Hunter-Lab	34.7404, 21.3863, -11.9058

# Details

The YUV color **100.4930, 12.5750, 26.7546** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **110.5070, -12.5750, -26.7546**, and the grayscale version is **100.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.0310, 13.2957, 28.9138**, and **52.0690, 12.2910, 24.4955** is the 20% darker color. If you saturate the color by 10%, you get **92.7480, 15.9002, 33.5470**, and if you desaturate by 10%, it is **108.2380, 9.2497, 19.9623**.

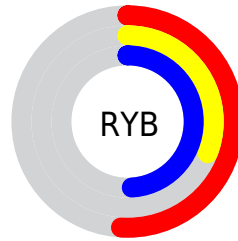
# Distribution



Red (51%)

Green (31%)

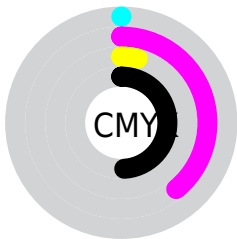
Blue (49%)



Red (51%)

Yellow (31%)

Blue (49%)

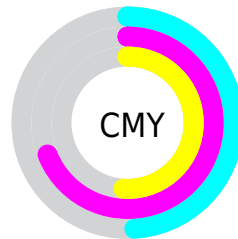


Cyan (0%)

Magenta (39%)

Yellow (4%)

Black (49%)



Cyan (49%)

Magenta (69%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 100.4930, 12.5750, 26.7546 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 100.4930, 12.5750, 26.7546 by changing the saturation by 10% instead.



100.4930, 12.5750,  
26.7546

100.4930, 12.5750,  
26.7546

255.0000, 0.0000,  
0.0000

75.7810, 12.4330,  
25.6251

152.0310, 13.2957,  
28.9138

52.0690, 12.2910,  
24.4955

179.3300, 13.1483,  
29.5286

28.1830, 12.7278,  
24.3955

207.1560, 13.7271,  
30.5582

14.8250, 8.9603,  
19.4475

229.7590, 12.4438,  
22.1364

0.5700, 2.1840,  
-0.4999

246.1950, 4.3409,  
7.7220

0.0000, 0.0000,  
0.0000

100.4930, 12.5750,  
26.7546

100.4930, 12.5750,  
26.7546

92.7480, 15.9002,  
33.5470

108.2380, 9.2497,  
19.9623

84.8890, 18.7887,  
40.4393

116.0970, 6.3612,  
13.0699

77.1440, 22.1140,  
47.2317

123.8420, 3.0359,  
6.2776

69.3990, 25.4393,  
54.0241

131.5870, -0.2894,  
-0.5148

61.6540, 28.7646,  
60.8164

139.9190, -3.9041,  
-7.8220

53.2080, 31.9425,  
68.2236


147.7780, -6.7926,  
-14.7143

52.6210, 32.2318,  
68.7384

155.5230,  
-10.1178, -21.5067

163.2680,

-13.4431, -28.2990

 171.1270,  
-16.3316, -35.1914

# Harmonies

## Analogous

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



98.7760, 23.2814, -0.6806



100.4930, 12.5750, 26.7546



98.6770, 0.1592, 42.3793

# Triad

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



100.4930, 12.5750, 26.7546



94.9980, -27.1140, 16.6648



79.2930, 22.0406, -69.5400

# Complementary

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



100.4930, 12.5750, 26.7546



110.5070, -12.5750, -26.7546

# 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.



76.1010, 9.8102, -66.7406



100.4930, 12.5750, 26.7546



92.1200, -22.2442, -5.3672

# Square

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



100.4930, 12.5750, 26.7546



96.8460, -23.0951, 34.3381



86.9840, -9.3591, -31.5580



79.8120, 31.6447, -69.9951



# Rectangle

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



100.4930, 12.5750, 26.7546



98.1090, -8.4347, 45.5084



86.9840, -9.3591, -31.5580



78.2670, 18.1094, -68.6402

# Sweetspot

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



100.4930, 12.5750, 26.7546



158.4450, 5.2036, 11.0107



87.0100, 21.6871, -2.6398



79.8420, 3.0359, 6.2776



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



100.4930, 12.5750, 26.7546



123.1280, 19.6569, 41.9837



97.6430, 1.6550, 29.2541



62.4780, 1.7363, 3.0888



52.2080, 31.9425, 68.2236



1.1250, 0.4314, 1.6444



# Inverse Universe

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



100.4930, 12.5750, 26.7546



123.1280, 19.6569, 41.9837



113.3570, -1.6550, -29.2541



62.4780, 1.7363, 3.0888



52.2080, 31.9425, 68.2236

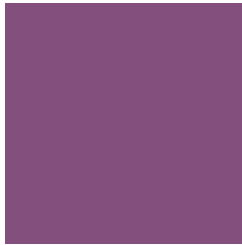


1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 100.4930, 12.5750, 26.7546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

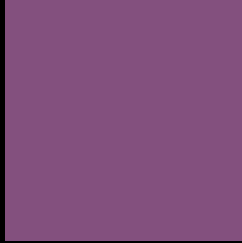
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 100.4930, 12.5750, 26.7546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

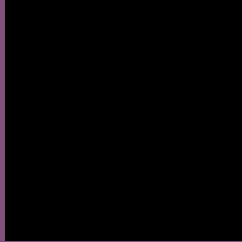
Any Text WCAG AA × Fail

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 100.4930, 12.5750, 26.7546 Background



This preview shows how black text looks on a background with the YUV color 100.4930, 12.5750, 26.7546.



This preview shows how white text looks on a background with the YUV color 100.4930, 12.5750,



# 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

100.4930, 12.5750, 26.7546

### Protanopia

97.4990, 19.9670, -10.9616

### Deuteranopia

98.4800, 12.0884, -3.9290



## Tritanopia

99.6440, -3.2755, 23.9912

# Trichromacy



## Original Color

100.4930, 12.5750, 26.7546

## Protanomaly

98.6040, 17.4502, 2.9783

## Deuteranomaly

98.9590, 12.3452, 7.0520

## Tritanomaly

99.5500, 2.6869, 24.9507

# Monochromacy



## Original Color

100.4930, 12.5750, 26.7546

## Achromatopsia

100.0000, 0.0000, 0.0000

## Achromatomaly

100.2060, 4.3354, 9.4663

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 100.4930, 12.5750, 26.7546 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(131, 80, 126)` looks like.

```
.text, #text, p{  
    color:rgb(131, 80, 126)  
}
```

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(131, 80, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 80, 126) }
```

## Border

The CSS property to change the border of an element to YUV 100.4930, 12.5750, 26.7546 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(131, 80, 126) }
```



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

```
.border{ border-color:rgb(131, 80, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 80, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 80, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 80, 126);  
box-shadow:4px 4px 4px 4px rgb(131, 80,  
126) }
```

# Background

The CSS property to change the background color of an element to YUV 100.4930, 12.5750, 26.7546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 80, 126) }
```

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

```
.background{ background-color: rgb(131, 80,  
126) }
```

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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