

# Converting Colors

YUV(128.8800, 25.6952,  
18.5222)

Have a look what the booklet for  
YUV(128.8800, 25.6952, 18.5222)  
contains.

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# Color

**YUV(128.8800, 25.6952,  
18.5222)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	966CB5
RGB	150, 108, 181
RGB Percent	59%, 42%, 71%
CMY	0.4118, 0.5765, 0.2902
CMYK	0.17, 0.40, 0.00, 0.29
HSL	275°, 33%, 57%
HSV	275°, 40%, 71%
XYZ	26.2807, 20.5454, 46.2966
YIQ	128.8800, 1.5990, 31.6070

# Conversions

## Conversions Part 2

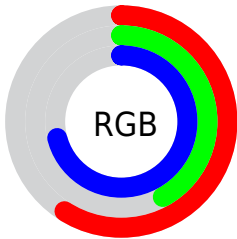
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 108, 181
Decimal	9858229
CIE <sub>Lab</sub>	52.45, 30.70, -32.38
CIE <sub>LCh</sub>	52, 44.621, 313.479
Yxy	20.5454, 0.2822, 0.2206
Android (android.graphics.Color)	4288048309 (0xFF966CB5)
YUV	128.8800, 25.6952, 18.5222
Hunter-Lab	45.3270, 24.1727, -28.8294

# Details

The YUV color **128.8800, 25.6952, 18.5222** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **160.1200, -25.6952, -18.5222**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **182.2330, 27.0001, 19.9667**, and **78.5270, 24.3902, 17.0778** is the 20% darker color. If you saturate the color by 10%, you get **115.9220, 32.0835, 22.8704**, and if you desaturate by 10%, it is **141.8380, 19.3069, 14.1741**.

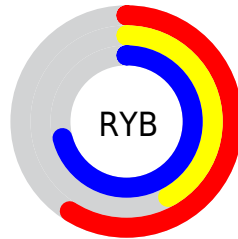
# Distribution



Red (59%)

Green (42%)

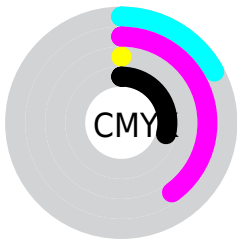
Blue (71%)



Red (59%)

Yellow (42%)

Blue (71%)

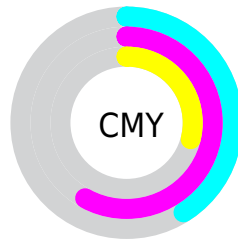


Cyan (17%)

Magenta (40%)

Yellow (0%)

Black (29%)



Cyan (41%)

Magenta (58%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 128.8800, 25.6952, 18.5222 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 128.8800, 25.6952, 18.5222 by changing the saturation by 10% instead.





 128.8800, 25.6952,  
18.5222


 128.8800, 25.6952,  
18.5222


255.0000, 0.0000,  
0.0000


 103.0540, 25.1164,  
17.4926


 182.2330, 27.0001,  
19.9667

 78.5270, 24.3902,  
17.0778


 208.8050, 22.7741,  
22.0960


 54.2880, 23.5220,  
15.5334

 231.5200, 11.5756,  
20.5920

 30.8750, 23.2326,  
15.0186

 248.5430, 3.1833,  
5.6628

 14.3430, 20.0439,  
11.1002

 4.9360, 13.8356,  
-4.3289

 0.5700, 2.1840,

-0.4999

■ 0.0000, 0.0000,  
0.0000

■ 128.8800, 25.6952,  
18.5222

■ 128.8800, 25.6952,  
18.5222

■ 115.9220, 32.0835,  
22.8704

■ 141.8380, 19.3069,  
14.1741

■ 103.2630, 38.3243,  
27.8333

■ 154.4970, 13.0660,  
9.2111

■ 90.3050, 44.7126,  
32.1815

■ 167.4550, 6.6777,  
4.8630

■ 77.3470, 51.1009,  
36.5297

■ 180.4130, 0.2894,  
0.5148

■ 64.1010, 57.6312,  
42.0074

■ 193.6590, -6.2409,  
-4.9629

■ 51.7300, 63.7301,  
45.8408

■ 206.6170,  
-12.6292, -9.3111

■ 219.5750,  
-19.0175, -13.6593

■ 232.2340,  
-25.2584, -18.6222

■ 235.8000,  
-27.0164, -14.7336

# Harmonies

## Analogous

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



121.6120, 38.6453, -28.6007



128.8800, 25.6952, 18.5222



127.9520, 9.8837, 50.0311

# Triad

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



128.8800, 25.6952, 18.5222



122.8280, -35.9042, 36.1078



100.7160, 20.3530, -88.3279

# Complementary

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



128.8800, 25.6952, 18.5222



160.1200, -25.6952, -18.5222

# 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.



95.8680, 3.0231, -83.1992



128.8800, 25.6952, 18.5222



119.8370, -36.4016, 8.9130

# Square

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



128.8800, 25.6952, 18.5222



123.9350, -24.6180, 56.1850



114.9560, -23.6423, -23.6404



103.5320, 36.2197, -90.7976



# Rectangle

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



128.8800, 25.6952, 18.5222



125.6300, -1.7896, 60.8375



114.9560, -23.6423, -23.6404



99.2340, 14.6746, -87.0282

# Sweetspot

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



128.8800, 25.6952, 18.5222



214.3890, 10.1612, 7.5518



135.1060, 22.6257, -23.7720



105.5150, 5.6621, 3.9333



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



128.8800, 25.6952, 18.5222



154.3170, 39.7767, 28.6630



137.5790, 18.9416, 38.0802



82.5210, 3.1941, 2.1741



43.7540, 53.8583, 38.8037



7.4490, 9.1456, 6.6222



# Inverse Universe

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



133.3610, 2.7800, 41.7794



161.2590, 4.3093, 64.6709



151.4210, -18.9416, -38.0802



83.1470, 0.4205, 5.1331



53.1570, 5.8386, 87.5623

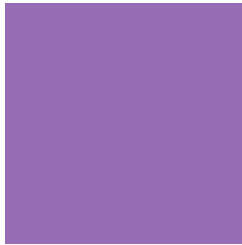


9.0280, 0.9722, 14.8844



# Previews

## White Background



This preview shows how the YUV color 128.8800, 25.6952, 18.5222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

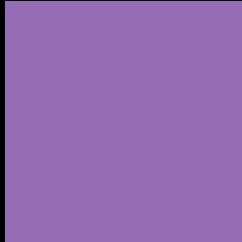
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 128.8800, 25.6952, 18.5222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

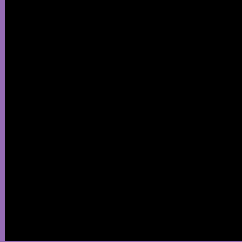
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 128.8800, 25.6952, 18.5222

## Background



This preview shows how black text looks on a background with the YUV color 128.8800, 25.6952, 18.5222.



This preview shows how white text looks on a background with the YUV color 128.8800, 25.6952,



# 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

128.8800, 25.6952, 18.5222

### Protanopia

124.2170, 34.4030, -21.2383

### Deuteranopia

124.7740, 26.2404, -16.4648



## Tritanopia

127.0170, 0.9776, 13.1401

# Trichromacy



## Original Color

128.8800, 25.6952, 18.5222

## Protanomaly

126.0940, 31.0127, -7.0984

## Deuteranomaly

126.1500, 26.0550, -3.6396

## Tritanomaly

127.7320, 9.9921, 15.1440

# Monochromacy



## Original Color

128.8800, 25.6952, 18.5222

## Achromatopsia

129.0000, 0.0000, 0.0000

## Achromatomaly

128.8620, 9.4350, 7.1370

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 128.8800, 25.6952, 18.5222 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(150, 108, 181)` looks like.

```
.text, #text, p{  
    color:rgb(150, 108, 181)  
}
```

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(150, 108, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 108, 181) }
```

## Border

The CSS property to change the border of an element to YUV 128.8800, 25.6952, 18.5222 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(150, 108, 181) }
```



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

```
.border{ border-color:rgb(150, 108, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 108, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 108, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 108, 181);  
box-shadow:4px 4px 4px 4px rgb(150, 108,  
181) }
```

# Background

The CSS property to change the background color of an element to YUV 128.8800, 25.6952, 18.5222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 108, 181) }
```

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

```
.background{ background-color: rgb(150,  
108, 181) }
```

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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