

# Converting Colors

YUV(128.2430, 25.0232, 0.6639)

Have a look what the booklet for  
YUV(128.2430, 25.0232, 0.6639)  
contains.

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# Color

**YUV(128.2430, 25.0232,  
0.6639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8176B3
RGB	129, 118, 179
RGB Percent	51%, 46%, 70%
CMY	0.4941, 0.5373, 0.2980
CMYK	0.28, 0.34, 0.00, 0.30
HSL	251°, 29%, 58%
HSV	251°, 34%, 70%
XYZ	23.6684, 20.8787, 45.4304
YIQ	128.2430, -13.0250, 21.3030

# Conversions

## Conversions Part 2

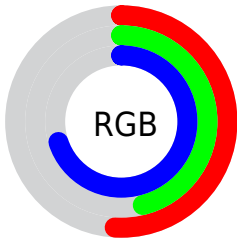
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	129, 118, 179
Decimal	8484531
CIE Lab	52.82, 17.94, -30.80
CIE LCh	53, 35.646, 300.226
Yxy	20.8787, 0.2630, 0.2320
Android (android.graphics.Color)	4286674611 (0xFF8176B3)
YUV	128.2430, 25.0232, 0.6639
Hunter-Lab	45.6932, 12.4972, -26.9637

# Details

The YUV color  $128.2430, 25.0232, 0.6639$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $168.7570, -25.0232, -0.6639$ , and the grayscale version is  $128.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $181.2970, 26.4756, 1.4935$ , and  $78.7760, 23.2814, -0.6806$  is the 20% darker color. If you saturate the color by 10%, you get  $113.1920, 32.4433, 0.7086$ , and if you desaturate by 10%, it is  $143.2940, 17.6031, 0.6192$ .

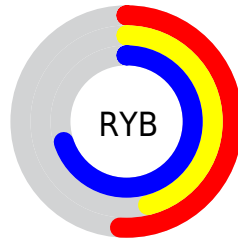
# Distribution



Red (51%)

Green (46%)

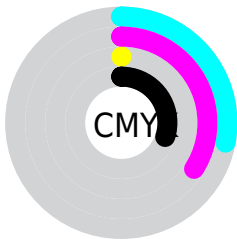
Blue (70%)



Red (51%)

Yellow (46%)

Blue (70%)

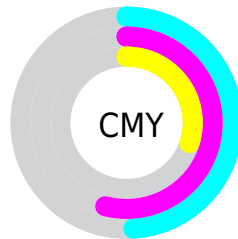


Cyan (28%)

Magenta (34%)

Yellow (0%)

Black (30%)



Cyan (49%)

Magenta (54%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 128.2430, 25.0232, 0.6639 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 128.2430, 25.0232, 0.6639 by changing the saturation by 10% instead.



■ 128.2430, 25.0232,  
0.6639

■ 128.2430, 25.0232,  
0.6639

■ 255.0000, 0.0000,  
0.0000

■ 102.7160, 24.2970,  
0.2491

■ 181.2970, 26.4756,  
1.4935

■ 78.7760, 23.2814,  
-0.6806

■ 207.7980, 23.2706,  
2.8082

■ 54.9500, 22.7026,  
-1.7102

■ 232.9050, 10.8928,  
6.2223

■ 32.2980, 21.5451,  
-3.7693

■ 254.4130, 0.2894,  
0.5148

■ 8.4230, 21.9765,  
-2.1250

■ 4.7080, 12.9620,  
-4.1289

■ 0.3420, 1.3104,

-0.2999

0.0000, 0.0000,  
0.0000

128.2430, 25.0232,  
0.6639

128.2430, 25.0232,  
0.6639

113.1920, 32.4433,  
0.7086

143.2940, 17.6031,  
0.6192

98.4400, 39.7161,  
1.3681

158.0460, 10.3303,  
-0.0403

83.3890, 47.1362,  
1.4128

173.0970, 2.9102,  
-0.0851

68.3380, 54.5564,  
1.4576

188.1480, -4.5100,  
-0.1298

54.1730, 61.5397,  
1.6023

202.9000,  
-11.7827, -0.7893

■ 39.1220, 68.9599,  
1.6470

■ 217.3640,  
-18.9135, -0.3192

■ 29.9740, 73.4698,  
1.7768

■ 232.4150,  
-26.3336, -0.3640

■ 243.6450,  
-31.8700, 2.0653

■ 246.3360,  
-33.1966, 7.5983

# Harmonies

## Analogous

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



120.0640, 32.9994, -37.7671



128.2430, 25.0232, 0.6639



129.7430, 13.4377, 30.0434

# Triad

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



128.2430, 25.0232, 0.6639



125.2980, -25.2899, 38.3267



100.8930, 11.8848, -78.8362

# Complementary

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



128.2430, 25.0232, 0.6639



168.7570, -25.0232, -0.6639

# 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.



115.1470, -9.9325, -34.3319



128.2430, 25.0232, 0.6639



123.4390, -29.3034, 18.9090

# Square

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



128.2430, 25.0232, 0.6639



126.8230, -14.7027, 49.2672



120.0660, -23.6965, -6.1969



100.5510, 27.3364, -88.1832



# Rectangle

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



128.2430, 25.0232, 0.6639



128.7140, 4.0850, 43.2238



120.0660, -23.6965, -6.1969



108.4350, 3.2365, -58.2635

# Sweetspot

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



128.2430, 25.0232, 0.6639



212.8180, 9.4567, 0.1596



154.8910, 11.8857, -32.3534



105.4930, 5.6730, 0.4446



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.



128.2430, 25.0232, 0.6639



152.9130, 38.9899, 0.9533



137.2130, 20.6010, 19.1072



81.6240, 3.6364, 0.3298



25.8140, 62.7027, 1.9171



4.4590, 10.6197, 0.4745



# Inverse Universe

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



141.9390, 12.8481, 32.5025



174.2970, 20.0666, 50.6055



159.7870, -20.6010, -19.1072



83.6030, 2.1677, 4.7332



59.9970, 32.0465, 81.5636



10.1680, 5.3402, 13.8847



# Previews

## White Background



This preview shows how the YUV color 128.2430, 25.0232, 0.6639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

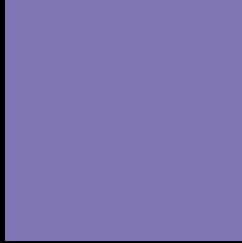
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 128.2430, 25.0232, 0.6639 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 128.2430, 25.0232, 0.6639

## Background



This preview shows how black text looks on a background with the YUV color 128.2430, 25.0232, 0.6639.



This preview shows how white text looks on a background with the YUV color 128.2430, 25.0232,

0.6639.

# 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

128.2430, 25.0232, 0.6639

### Protanopia

125.4580, 28.8612, -17.0647

### Deuteranopia

125.9590, 25.6562, -15.7500



## Tritanopia

126.3460, 5.2524, -4.6884

# Trichromacy



**Original Color**

128.2430, 25.0232, 0.6639

**Protanomaly**

126.4480, 27.3871, -10.9169

**Deuteranomaly**

126.5900, 25.3451, -9.2874

**Tritanomaly**

127.1920, 12.2303, -2.7994

# Monochromacy



**Original Color**

128.2430, 25.0232, 0.6639

**Achromatopsia**

128.0000, 0.0000, 0.0000

**Achromatomaly**

127.8180, 9.4567, 0.1596

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 128.2430, 25.0232, 0.6639 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(129, 118, 179)` looks like.

```
.text, #text, p{  
    color:rgb(129, 118, 179)  
}
```

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(129, 118, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 118, 179) }
```

## Border

The CSS property to change the border of an element to YUV 128.2430, 25.0232, 0.6639 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(129, 118, 179) }
```



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

```
.border{ border-color:rgb(129, 118, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 118, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 118, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 118, 179);  
box-shadow:4px 4px 4px 4px rgb(129, 118,  
179) }
```

# Background

The CSS property to change the background color of an element to YUV 128.2430, 25.0232, 0.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 118, 179) }
```

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

```
.background{ background-color: rgb(129,  
118, 179) }
```

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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