

# Converting Colors

YUV(171.2700, 27.4749, 7.6562)

Have a look what the booklet for  
YUV(171.2700, 27.4749, 7.6562)  
contains.

<b>YUV(171.2700, 27.4749, 7.6562)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(171.2700, 27.4749,  
7.6562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B49CE3
RGB	180, 156, 227
RGB Percent	71%, 61%, 89%
CMY	0.2941, 0.3882, 0.1098
CMYK	0.21, 0.31, 0.00, 0.11
HSL	260°, 56%, 75%
HSV	260°, 31%, 89%
XYZ	44.5760, 39.0263, 77.8565
YIQ	171.2700, -8.4870, 27.1690

# Conversions

## Conversions Part 2

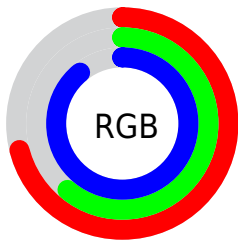
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 156, 227
Decimal	11836643
CIE <sub>Lab</sub>	68.77, 23.08, -32.69
CIE <sub>LCh</sub>	69, 40.016, 305.225
Yxy	39.0263, 0.2761, 0.2417
Android (android.graphics.Color)	4290026723 (0xFFB49CE3)
YUV	171.2700, 27.4749, 7.6562
Hunter-Lab	62.4710, 18.0438, -30.1623

# Details

The YUV color  $171.2700, 27.4749, 7.6562$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $211.7300, -27.4749, -7.6562$ , and the grayscale version is  $171.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $223.7900, 15.3865, 11.5852$ , and  $118.8030, 25.7331, 6.3118$  is the 20% darker color. If you saturate the color by 10%, you get  $153.2840, 36.3420, 10.2749$ , and if you desaturate by 10%, it is  $189.2560, 18.6078, 5.0375$ .

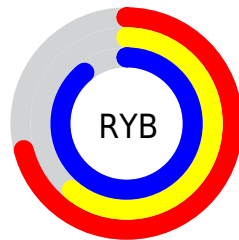
# Distribution



Red (71%)

Green (61%)

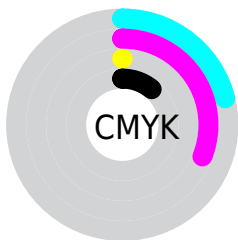
Blue (89%)



Red (71%)

Yellow (61%)

Blue (89%)

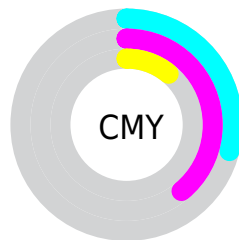


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (39%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 171.2700, 27.4749, 7.6562 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 171.2700, 27.4749, 7.6562 by changing the saturation by 10% instead.



■ 171.2700, 27.4749,  
7.6562

■ 171.2700, 27.4749,  
7.6562

■ 255.0000, 0.0000,  
0.0000

■ 144.7430, 26.7487,  
7.2414

■ 223.7900, 15.3865,  
11.5852

■ 118.8030, 25.7331,  
6.3118

■ 245.6080, 4.6303,  
8.2368

■ 93.3900, 25.4437,  
5.7970

■ 69.4500, 24.4281,  
4.8673

■ 46.2110, 23.5600,  
3.3230

■ 23.6730, 22.8392,  
1.1638

■ 5.9560, 20.2347,

-3.4694

■ 3.4370, 10.6306,  
-3.0142

■ 0.0000, 0.0000,  
0.0000

■ 171.2700, 27.4749,  
7.6562

■ 171.2700, 27.4749,  
7.6562

■ 153.2840, 36.3420,  
10.2749

■ 189.2560, 18.6078,  
5.0375

■ 135.8850, 44.9197,  
12.3789

■ 206.6550, 10.0301,  
2.9336

■ 117.8990, 53.7868,  
14.9976

■ 224.6410, 1.1630,  
0.3148

■ 99.9130, 62.6539,  
17.6163

■ 242.6270, -7.7041,  
-2.3039

■ 82.5140, 71.2316,  
19.7202

■ 251.8080,  
-12.2303, 2.7994

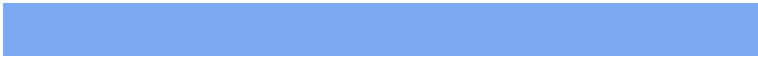
■ 64.5280, 80.0987,  
22.3389

■ 48.9010, 87.8028,  
24.6428

# Harmonies

## Analogous

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



163.6390, 37.6460, -34.7634



171.2700, 27.4749, 7.6562



172.3960, 13.1158, 39.9947

# Triad

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



171.2700, 27.4749, 7.6562



167.3110, -31.7053, 42.7003



141.7500, 15.4062, -88.3577

# Complementary

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



171.2700, 27.4749, 7.6562



211.7300, -27.4749, -7.6562

# 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.



153.7110, -8.7315, -46.2275



171.2700, 27.4749, 7.6562



164.7610, -34.3922, 17.7496

# Square

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



171.2700, 27.4749, 7.6562



169.3850, -20.4028, 57.5444



160.3380, -26.2956, -12.5744



132.8940, 37.0273, -116.5480



# Rectangle

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



171.2700, 27.4749, 7.6562



171.7970, 1.5791, 53.6750



160.3380, -26.2956, -12.5744



147.5580, 6.6269, -72.4034

# Sweetspot

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



171.2700, 27.4749, 7.6562



237.0140, 8.8671, 2.6187



191.6830, 17.4113, -31.2940



116.2050, 5.8149, 1.5742



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



171.2700, 27.4749, 7.6562



178.9250, 37.5050, 10.5898



181.7350, 22.3156, 29.1734



105.5640, 4.6519, 1.2594



38.3460, 69.3424, 18.9906



10.8970, 19.7708, 5.3523



# Inverse Universe

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



182.5870, 10.0636, 38.9502



194.2990, 13.6566, 53.2348



201.2650, -22.3156, -29.1734



107.5000, 1.7255, 6.5775



66.9730, 25.1563, 98.2477

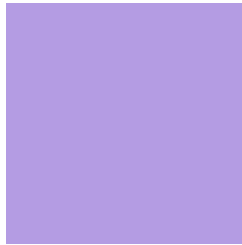


19.1250, 7.3334, 27.9544



# Previews

## White Background



This preview shows how the YUV color 171.2700, 27.4749, 7.6562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

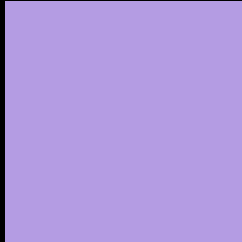
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 171.2700, 27.4749, 7.6562 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 ✓ Pass

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

# YUV 171.2700, 27.4749, 7.6562

## Background



This preview shows how black text looks on a background with the YUV color 171.2700, 27.4749, 7.6562.



This preview shows how white text looks on a background with the YUV color 171.2700, 27.4749,

7.6562.

# 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

171.2700, 27.4749, 7.6562

### Protanopia

167.4840, 32.7924, -17.9645

### Deuteranopia

167.9530, 28.1242, -13.9908



## Tritanopia

168.3900, 5.2307, 2.2890

# Trichromacy



## Original Color

171.2700, 27.4749, 7.6562

## Protanomaly

168.9690, 30.5813, -8.7428

## Deuteranomaly

169.2960, 27.9551, -6.3986

## Tritanomaly

169.4640, 13.0822, 3.9781

# Monochromacy



## Original Color

171.2700, 27.4749, 7.6562

## Achromatopsia

171.0000, 0.0000, 0.0000

## Achromatomaly

171.2420, 9.7407, 2.4188

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 171.2700, 27.4749, 7.6562 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(180, 156, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 227)  
}
```

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(180, 156, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 227) }
```

## Border

The CSS property to change the border of an element to YUV 171.2700, 27.4749, 7.6562 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(180, 156, 227) }
```



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

```
.border{ border-color:rgb(180, 156, 227) }
```

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

Here you see how a box with a 4 pixel rgb(180, 156, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 227);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
227) }
```

# Background

The CSS property to change the background color of an element to YUV 171.2700, 27.4749, 7.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 227) }
```

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

```
.background{ background-color: rgb(180,  
156, 227) }
```

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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