

# Converting Colors

YUV(68.1290, 18.1774, 49.8759)

Have a look what the booklet for  
YUV(68.1290, 18.1774, 49.8759)  
contains.

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# Color

**YUV(68.1290, 18.1774,  
49.8759)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D2069
RGB	125, 32, 105
RGB Percent	49%, 13%, 41%
CMY	0.5098, 0.8745, 0.5882
CMYK	0.00, 0.74, 0.16, 0.51
HSL	313°, 59%, 31%
HSV	313°, 74%, 49%
XYZ	11.5238, 6.4129, 13.9950
YIQ	68.1290, 31.9950, 42.4190

# Conversions

## Conversions Part 2

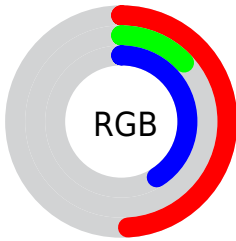
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 32, 105
Decimal	8200297
CIE <sub>Lab</sub>	30.43, 47.34, -20.88
CIE <sub>LCh</sub>	30, 51.736, 336.198
Yxy	6.4129, 0.3609, 0.2008
Android (android.graphics.Color)	4286390377 (0xFF7D2069)
YUV	68.1290, 18.1774, 49.8759
Hunter-Lab	25.3237, 36.9112, -15.0397

# Details

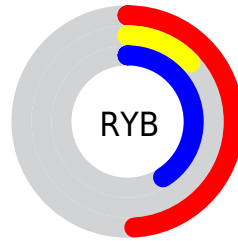
The YUV color **68.1290, 18.1774, 49.8759** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **88.8710, -18.1774, -49.8759**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.0860, 16.7196, 50.7906**, and **28.0260, 14.2842, 38.5652** is the 20% darker color. If you saturate the color by 10%, you get **60.1560, 20.6291, 56.8682**, and if you desaturate by 10%, it is **76.1020, 15.7257, 42.8835**.

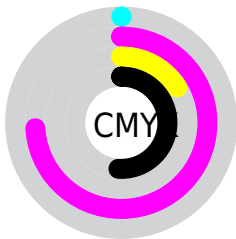
# Distribution



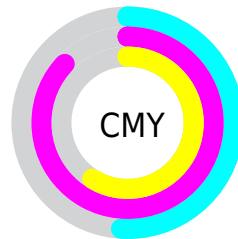
- Red (49%)
- Green (13%)
- Blue (41%)



- Red (49%)
- Yellow (13%)
- Blue (41%)



- Cyan (0%)
- Magenta (74%)
- Yellow (16%)
- Black (51%)



- Cyan (51%)
- Magenta (87%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.1290, 18.1774, 49.8759 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 68.1290, 18.1774, 49.8759 by changing the saturation by 10% instead.



68.1290, 18.1774,  
49.8759

68.1290, 18.1774,  
49.8759

255.0000, 0.0000,  
0.0000

38.5360, 20.9348,  
52.1499

122.0860, 16.7196,  
50.7906

28.0260, 14.2842,  
38.5652

149.0970, 16.7142,  
52.5349

19.0540, 8.3544,  
27.1396

176.8090, 16.8562,  
53.6645

4.5430, 3.1833,  
5.6628

201.0470, 19.2038,  
47.3168

0.0000, 0.0000,  
0.0000

219.1930, 17.6529,  
31.4027

236.2160, 9.2605,

16.4736

253.2390, 0.8682,  
1.5444

68.1290, 18.1774,  
49.8759

68.1290, 18.1774,  
49.8759

60.1560, 20.6291,  
56.8682

76.1020, 15.7257,  
42.8835

52.8840, 23.2282,  
63.2457

83.3740, 13.1266,  
36.5060

48.5470, 24.3803,  
67.0493

91.3470, 10.6749,  
29.5137

98.7330, 8.5126,  
23.0362

106.0050, 5.9135,  
16.6586

■ 113.9780, 3.4618,  
9.6663

■ 121.3640, 1.2995,  
3.1888

■ 129.3370, -1.1521,  
-3.8035

■ 137.1960, -4.0406,  
-10.6959

# Harmonies

## Analogous

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



72.7090, 31.6955, 7.2712



68.1290, 18.1774, 49.8759



58.9610, 2.9772, 71.9482

# Triad

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



68.1290, 18.1774, 49.8759



67.0700, -33.0655, 12.2166



65.2220, 26.5126, -57.1997

# Complementary

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



68.1290, 18.1774, 49.8759



88.8710, -18.1774, -49.8759

# 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.



61.2490, 8.7512, -53.7154



68.1290, 18.1774, 49.8759



58.8980, -29.0367, -20.0815

# Square

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



68.1290, 18.1774, 49.8759



67.2460, -33.1523, 40.1263



55.2870, -9.0155, -48.4867



65.9520, 39.4637, -57.8399



# Rectangle

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



68.1290, 18.1774, 49.8759



61.8560, -11.2680, 67.6553



55.2870, -9.0155, -48.4867



64.3270, 20.5448, -56.4148

# Sweetspot

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



68.1290, 18.1774, 49.8759



140.9560, 6.9237, 19.3326



48.2830, 37.8215, 2.3828



68.5160, 4.1826, 11.8255



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



68.1290, 18.1774, 49.8759



74.3510, 28.4210, 77.7452



62.9990, -1.4785, 54.3749



59.6630, 1.1521, 3.8035



49.6720, 24.8117, 68.6937



0.0000, 0.0000, 0.0000



# Inverse Universe

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



68.1290, 18.1774, 49.8759



74.3510, 28.4210, 77.7452



94.0010, 1.4785, -54.3749



59.6630, 1.1521, 3.8035



49.6720, 24.8117, 68.6937



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 68.1290, 18.1774, 49.8759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

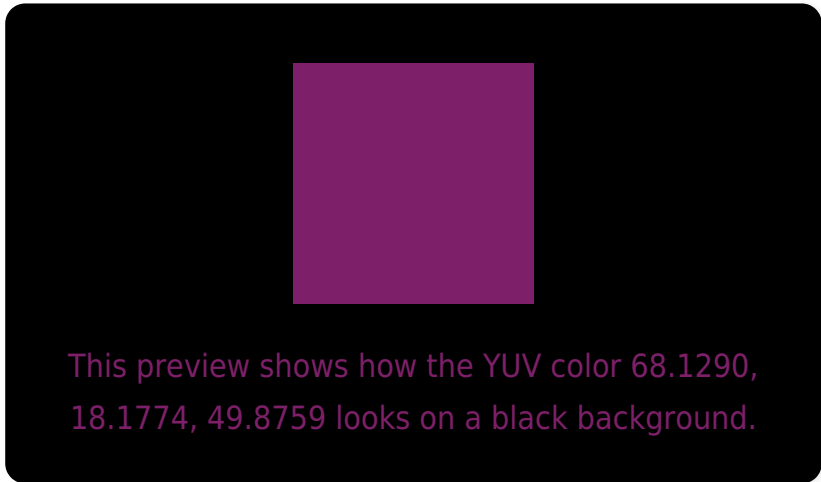
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

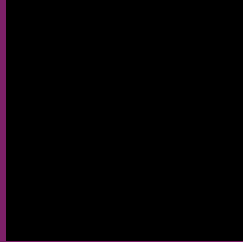
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.1290, 18.1774, 49.8759

## Background



This preview shows how black text looks on a background with the YUV color 68.1290, 18.1774, 49.8759.



This preview shows how white text looks on a background with the YUV color 68.1290, 18.1774,



# 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

68.1290, 18.1774, 49.8759

### Protanopia

68.3580, 33.8405, -27.5010

### Deuteranopia

72.9850, 12.8254, -7.0028



## Tritanopia

70.6850, -8.7187, 43.2493

# Trichromacy



## Original Color

68.1290, 18.1774, 49.8759

## Protanomaly

68.3400, 27.9334, 0.5788

## Deuteranomaly

70.9860, 14.7969, 14.0443

## Tritanomaly

69.9270, 1.0220, 45.6680

# Monochromacy



## Original Color

68.1290, 18.1774, 49.8759

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

68.1300, 6.3449, 18.3030

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.1290, 18.1774, 49.8759 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(125, 32, 105)` looks like.

```
.text, #text, p{  
    color:rgb(125, 32, 105)  
}
```

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(125, 32, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 32, 105) }
```

## Border

The CSS property to change the border of an element to YUV 68.1290, 18.1774, 49.8759 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(125, 32, 105) }
```



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

```
.border{ border-color:rgb(125, 32, 105) }
```

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

Here you see how a box with a 4 pixel rgb(125, 32, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 32, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 32, 105);  
box-shadow:4px 4px 4px 4px rgb(125, 32,  
105) }
```

# Background

The CSS property to change the background color of an element to YUV 68.1290, 18.1774, 49.8759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 32, 105) }
```

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

```
.background{ background-color: rgb(125, 32,  
105) }
```

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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