

# Converting Colors

YUV(49.6660, 23.8287, 57.2979)

Have a look what the booklet for  
YUV(49.6660, 23.8287, 57.2979)  
contains.

<b>YUV(49.6660, 23.8287, 57.2979)</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> .....	30

# Color

**YUV(49.6660, 23.8287,  
57.2979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	730762
RGB	115, 7, 98
RGB Percent	45%, 3%, 38%
CMY	0.5490, 0.9725, 0.6157
CMYK	0.00, 0.94, 0.15, 0.55
HSL	309°, 89%, 24%
HSV	309°, 94%, 45%
XYZ	9.3508, 4.6786, 11.9655
YIQ	49.6660, 35.1570, 51.1970

# Conversions

## Conversions Part 2

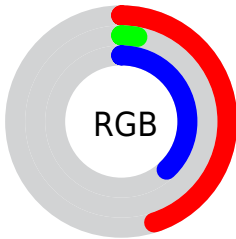
Format	Color
<b>RYB</b>	115, 7, 98
Decimal	7538530
CIELab	25.80, 50.65, -23.73
CIElCh	26, 55.936, 334.897
Yxy	4.6786, 0.3597, 0.1800
Android (android.graphics.Color)	4285728610 (0xFF730762)
YUV	49.6660, 23.8287, 57.2979
Hunter-Lab	21.6302, 39.3136, -17.6573

# Details

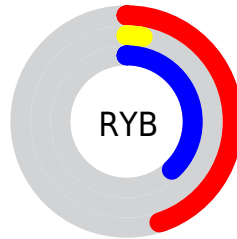
The YUV color **49.6660, 23.8287, 57.2979** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **72.3340, -23.8287, -57.2979**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.9060, 19.7663, 53.5794**, and **24.6510, 12.9901, 33.6321** is the 20% darker color. If you saturate the color by 10%, you get **45.4430, 25.4176, 61.0015**, and if you desaturate by 10%, it is **56.3510, 21.5190, 51.4352**.

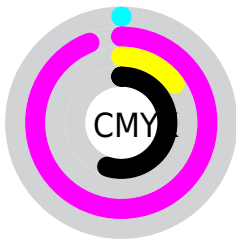
# Distribution



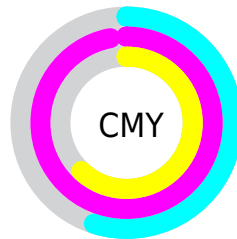
- Red (45%)
- Green (3%)
- Blue (38%)



- Red (45%)
- Yellow (3%)
- Blue (38%)



- Cyan (0%)
- Magenta (94%)
- Yellow (15%)
- Black (55%)



- Cyan (55%)
- Magenta (97%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.6660, 23.8287, 57.2979 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 49.6660, 23.8287, 57.2979 by changing the saturation by 10% instead.



■ 49.6660, 23.8287,  
57.2979

■ 49.6660, 23.8287,  
57.2979

255.0000, 0.0000,  
0.0000

■ 34.7480, 19.3512,  
46.7020

■ 108.9060, 19.7663,  
53.5794

■ 24.6510, 12.9901,  
33.6321

■ 136.5040, 19.4715,  
54.8090

■ 15.0810, 7.3551,  
20.9770

■ 164.1020, 19.1767,  
56.0385

■ 0.0000, 0.0000,  
0.0000


■ 191.3300, 20.0503,  
55.8386


■ 210.3880, 21.9937,  
39.1247


■ 226.8240, 13.8908,


24.7104


 243.8470, 5.4984,  
9.7812


 49.6660, 23.8287,  
57.2979


 49.6660, 23.8287,  
57.2979


 45.4430, 25.4176,  
61.0015

 56.3510, 21.5190,  
51.4352

 63.6230, 18.9199,  
45.0576

 70.1940, 16.1734,  
39.2949

 77.4660, 13.5743,  
32.9173

 84.1510, 11.2646,  
27.0546

■ 91.4230, 8.6655,  
20.6770

■ 98.6950, 6.0664,  
14.2995

■ 105.2660, 3.3199,  
8.5367

■ 112.5380, 0.7208,  
2.1592

# Harmonies

## Analogous

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



60.8980, 35.0533, 3.5975



49.6660, 23.8287, 57.2979



45.8520, 5.0030, 75.5518

# Triad

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



49.6660, 23.8287, 57.2979



57.3240, -28.2607, 11.1169



58.2120, 25.0385, -51.0519

# Complementary

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



49.6660, 23.8287, 57.2979



72.3340, -23.8287, -57.2979

# 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.



53.4240, 6.6930, -46.8528



49.6660, 23.8287, 57.2979



48.2550, -23.7897, -23.0256

# Square

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



49.6660, 23.8287, 57.2979



56.6250, -27.9161, 40.6709



47.0060, -12.8210, -41.2243



59.8710, 39.0106, -52.5069



# Rectangle

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



49.6660, 23.8287, 57.2979



42.1760, -6.4958, 77.0216



47.0060, -12.8210, -41.2243



56.7300, 19.3601, -49.7522

# Sweetspot

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



49.6660, 23.8287, 57.2979



124.6620, 9.5336, 22.2214



24.0960, 44.8157, -0.9612



60.5810, 5.6296, 14.3995



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



49.6660, 23.8287, 57.2979



59.3280, 33.3623, 79.5193



43.6240, 0.6784, 62.5968



55.3640, 1.2995, 3.1888



48.2200, 27.0065, 64.7051



98.8040, 55.3126, 132.5989



# Inverse Universe

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



49.6660, 23.8287, 57.2979



59.3280, 33.3623, 79.5193



78.3760, -0.6784, -62.5968



55.3640, 1.2995, 3.1888



48.2200, 27.0065, 64.7051

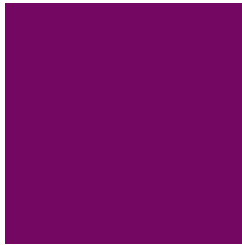


98.8040, 55.3126, 132.5989



# Previews

## White Background



This preview shows how the YUV color 49.6660, 23.8287, 57.2979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

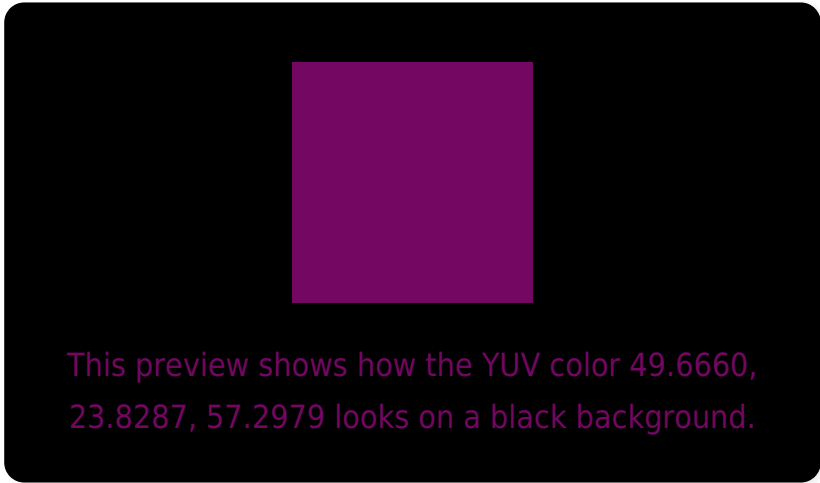
Any Text WCAG AA ✓ Pass

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

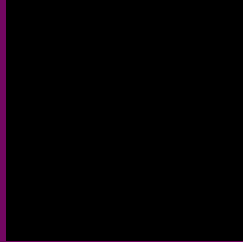
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 49.6660, 23.8287, 57.2979

## Background



This preview shows how black text looks on a background with the YUV color 49.6660, 23.8287, 57.2979.



This preview shows how white text looks on a background with the YUV color 49.6660, 23.8287,



# 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

49.6660, 23.8287, 57.2979

### Deuteranopia

63.3160, 14.1412, -9.0471

### Tritanopia

60.4570, -9.5923, 43.4492

# Trichromacy



## Original Color

49.6660, 23.8287, 57.2979

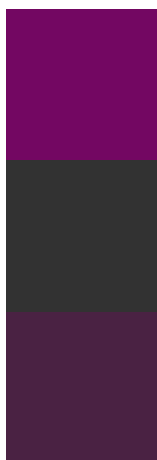
## Deuteranomaly

58.6810, 17.4123, 15.1888

## Tritanomaly

56.4050, 2.7583, 48.7568

# Monochromacy



## Original Color

49.6660, 23.8287, 57.2979

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

49.7220, 8.5181, 21.2918

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.6660, 23.8287, 57.2979 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(115, 7, 98)` looks like.

```
.text, #text, p{  
    color:rgb(115, 7, 98)  
}
```

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(115, 7, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 7, 98) }
```

## Border

The CSS property to change the border of an element to YUV 49.6660, 23.8287, 57.2979 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(115, 7, 98) }
```

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

```
.border{ border-color:rgb(115, 7, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 7, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 7, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 7, 98);  
box-shadow:4px 4px 4px 4px rgb(115, 7, 98)  
}
```



# Background

The CSS property to change the background color of an element to YUV 49.6660, 23.8287, 57.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 7, 98) }
```

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

```
.background{ background-color: rgb(115, 7,  
98) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor