

# Converting Colors

YUV(67.7080, 23.3150, 35.3361)

Have a look what the booklet for  
YUV(67.7080, 23.3150, 35.3361)  
contains.

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# Color

**YUV(67.7080, 23.3150,  
35.3361)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C2673
RGB	108, 38, 115
RGB Percent	42%, 15%, 45%
CMY	0.5765, 0.8510, 0.5490
CMYK	0.06, 0.67, 0.00, 0.55
HSL	295°, 50%, 30%
HSV	295°, 67%, 45%
XYZ	9.9720, 5.8122, 16.8159
YIQ	67.7080, 17.0030, 38.7870

# Conversions

## Conversions Part 2

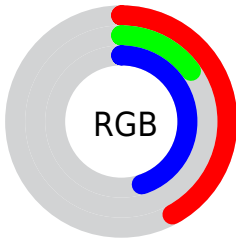
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 38, 115
Decimal	7087731
CIE <sub>Lab</sub>	28.93, 42.14, -29.83
CIE <sub>LCh</sub>	29, 51.633, 324.706
Yxy	5.8122, 0.3059, 0.1783
Android (android.graphics.Color)	4285277811 (0xFF6C2673)
YUV	67.7080, 23.3150, 35.3361
Hunter-Lab	24.1085, 31.6431, -24.4796

# Details

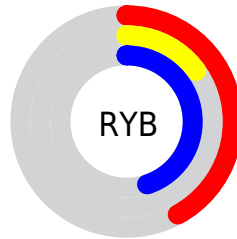
The YUV color **67.7080, 23.3150, 35.3361** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **85.2920, -23.3150, -35.3361**, and the grayscale version is **67.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **119.7190, 23.3095, 37.0804**, and **24.5670, 20.4265, 28.4437** is the 20% darker color. If you saturate the color by 10%, you get **60.9520, 26.6457, 40.3841**, and if you desaturate by 10%, it is **74.4640, 19.9842, 30.2881**.

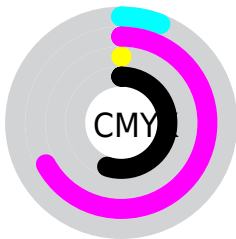
# Distribution



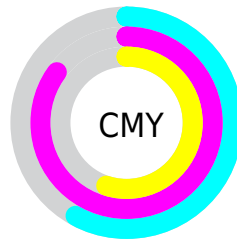
- Red (42%)
- Green (15%)
- Blue (45%)



- Red (42%)
- Yellow (15%)
- Blue (45%)



- Cyan (6%)
- Magenta (67%)
- Yellow (0%)
- Black (55%)



- Cyan (58%)
- Magenta (85%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.7080, 23.3150, 35.3361 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 67.7080, 23.3150, 35.3361 by changing the saturation by 10% instead.



67.7080, 23.3150,  
35.3361

67.7080, 23.3150,  
35.3361

255.0000, 0.0000,  
0.0000

40.0610, 24.6199,  
36.7805

119.7190, 23.3095,  
37.0804

24.5670, 20.4265,  
28.4437

145.9580, 24.1777,  
38.6248

16.0790, 13.7651,  
18.3477

173.3710, 24.4671,  
39.1396

3.0950, 9.3202,  
-2.7143

201.1970, 25.0459,  
40.1692

0.0000, 0.0000,  
0.0000

220.3670, 17.0741,  
30.3731

236.8030, 8.9711,

15.9588

253.8260, 0.5788,  
1.0296

■ 67.7080, 23.3150,  
35.3361

■ 67.7080, 23.3150,  
35.3361

■ 60.9520, 26.6457,  
40.3841

■ 74.4640, 19.9842,  
30.2881

■ 53.6090, 30.2658,  
45.9469

■ 81.8070, 16.3641,  
24.7253

■ 46.2660, 33.8859,  
51.5097

■ 89.1500, 12.7441,  
19.1625

■ 44.5050, 34.7540,  
53.0541

■ 95.9060, 9.4133,  
14.1144

■ 103.2490, 5.7932,  
8.5516

■ 110.0050, 2.4625,  
3.5036

■ 117.3480, -1.1576,  
-2.0592

■ 124.1040, -4.4883,  
-7.1072

■ 131.4470, -8.1084,  
-12.6700

# Harmonies

## Analogous

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



65.4500, 37.7392, -17.9346



67.7080, 23.3150, 35.3361



55.5890, 10.5556, 67.8894

# Triad

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



67.7080, 23.3150, 35.3361



64.4780, -31.7877, 22.3828



61.4090, 19.5184, -53.8557

# Complementary

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



67.7080, 23.3150, 35.3361



85.2920, -23.3150, -35.3361

# 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.



56.7350, 1.6096, -49.7566



67.7080, 23.3150, 35.3361



60.4590, -29.8063, -6.5415

# Square

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



67.7080, 23.3150, 35.3361



62.5830, -30.8534, 49.4777



49.9580, -16.7413, -43.8132



63.8830, 34.0747, -56.0254



# Rectangle

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



67.7080, 23.3150, 35.3361



54.4080, -1.6801, 72.4332



49.9580, -16.7413, -43.8132



59.8130, 13.4032, -52.4560

# Sweetspot

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



67.7080, 23.3150, 35.3361



131.7920, 8.9765, 14.2144



51.4740, 31.3183, -11.8167



65.2490, 5.7932, 8.5516



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.



67.7080, 23.3150, 35.3361



76.5700, 36.2010, 55.6281



66.2670, 8.7424, 42.7388



55.1790, 1.8838, 2.4740



47.0970, 36.9272, 56.0429



96.3730, 75.7381, 114.5599



# Inverse Universe

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



61.8210, -8.2928, 46.6380



67.1340, -12.8841, 72.6735



86.7330, -8.7424, -42.7388



54.7940, -0.8844, 3.6887



37.7320, -13.1789, 73.9030



77.3720, -26.8054, 151.3948



# Previews

## White Background



This preview shows how the YUV color 67.7080, 23.3150, 35.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

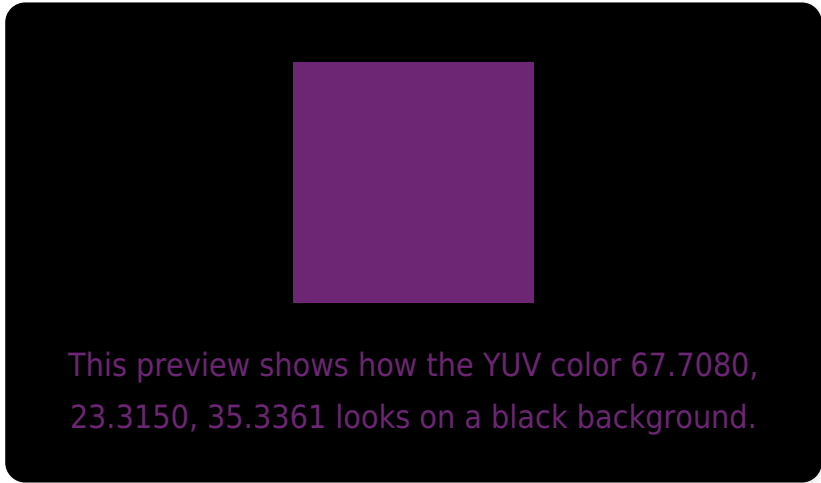
Any Text WCAG AA ✓ Pass

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

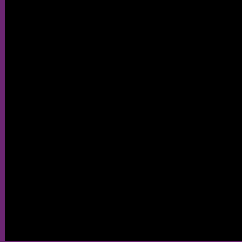
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 67.7080, 23.3150, 35.3361

## Background



This preview shows how black text looks on a background with the YUV color 67.7080, 23.3150, 35.3361.



This preview shows how white text looks on a background with the YUV color 67.7080, 23.3150,



# 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

67.7080, 23.3150, 35.3361

### Protanopia

55.5170, 42.6361, -48.6884

### Deuteranopia

67.0960, 21.1517, -17.6242



## Tritanopia

69.9110, -4.8861, 27.2651

# Trichromacy



## Original Color

67.7080, 23.3150, 35.3361

## Protanomaly

59.5810, 35.7026, -18.0495

## Deuteranomaly

67.4450, 21.9656, 1.3637

## Tritanomaly

68.9790, 5.4334, 30.7134

# Monochromacy



## Original Color

67.7080, 23.3150, 35.3361

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

67.9660, 8.3978, 13.1848

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.7080, 23.3150, 35.3361 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(108, 38, 115)` looks like.

```
.text, #text, p{  
    color:rgb(108, 38, 115)  
}
```

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(108, 38, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 38, 115) }
```

## Border

The CSS property to change the border of an element to YUV 67.7080, 23.3150, 35.3361 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(108, 38, 115) }
```



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

```
.border{ border-color:rgb(108, 38, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 38, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 38, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 38, 115); box-shadow:4px 4px 4px 4px rgb(108, 38, 115) }
```

# Background

The CSS property to change the background color of an element to YUV 67.7080, 23.3150, 35.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 38, 115) }
```

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

```
.background{ background-color: rgb(108, 38,  
115) }
```

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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