

# Converting Colors

YUV(65.9750, 21.7043, 38.6099)

Have a look what the booklet for  
YUV(65.9750, 21.7043, 38.6099)  
contains.

<b>YUV(65.9750, 21.7043, 38.6099)</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(65.9750, 21.7043,  
38.6099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E236E
RGB	110, 35, 110
RGB Percent	43%, 14%, 43%
CMY	0.5686, 0.8627, 0.5686
CMYK	0.00, 0.68, 0.00, 0.57
HSL	300°, 52%, 28%
HSV	300°, 68%, 43%
XYZ	9.8459, 5.6428, 15.3221
YIQ	65.9750, 20.6250, 39.2250

# Conversions

## Conversions Part 2

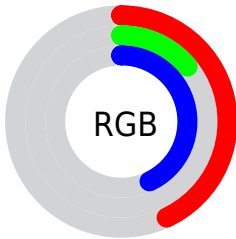
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	110, 35, 110
Decimal	7218030
CIE Lab	28.49, 43.04, -27.32
CIE LCh	28, 50.980, 327.601
Yxy	5.6428, 0.3196, 0.1831
Android (android.graphics.Color)	4285408110 (0xFF6E236E)
YUV	65.9750, 21.7043, 38.6099
Hunter-Lab	23.7547, 32.4145, -21.6146

# Details

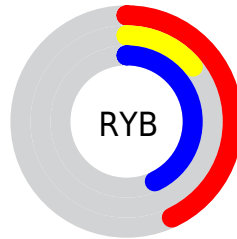
The YUV color **65.9750, 21.7043, 38.6099** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **79.0250, -21.7043, -38.6099**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.9860, 21.6989, 40.3543**, and **24.7090, 18.3845, 30.0732** is the 20% darker color. If you saturate the color by 10%, you get **59.5180, 24.8876, 44.2727**, and if you desaturate by 10%, it is **72.4320, 18.5210, 32.9471**.

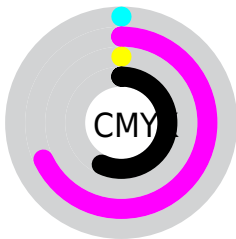
# Distribution



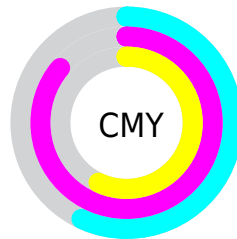
- Red (43%)
- Green (14%)
- Blue (43%)



- Red (43%)
- Yellow (14%)
- Blue (43%)



- Cyan (0%)
- Magenta (68%)
- Yellow (0%)
- Black (57%)



- Cyan (57%)
- Magenta (86%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 65.9750, 21.7043, 38.6099 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 65.9750, 21.7043, 38.6099 by changing the saturation by 10% instead.



65.9750, 21.7043,  
38.6099

65.9750, 21.7043,  
38.6099

255.0000, 0.0000,  
0.0000

37.1540, 23.5881,  
41.0839

117.9860, 21.6989,  
40.3543

24.7090, 18.3845,  
30.0732

144.6980, 21.8409,  
41.4839

15.9220, 11.8705,  
19.3624

172.1110, 22.1303,  
41.9987

2.5250, 7.1362,  
-2.2144

200.2360, 22.5617,  
43.6430

0.0000, 0.0000,  
0.0000

219.1930, 17.6529,  
31.4027

235.6290, 9.5499,

16.9884

252.6520, 1.1576,  
2.0592

65.9750, 21.7043,  
38.6099

65.9750, 21.7043,  
38.6099

59.5180, 24.8876,  
44.2727

72.4320, 18.5210,  
32.9471

53.0610, 28.0709,  
49.9355

78.8890, 15.3377,  
27.2843

46.6040, 31.2542,  
55.5983

85.3460, 12.1544,  
21.6216

45.4300, 31.8330,  
56.6279

91.8030, 8.9711,  
15.9588

98.2600, 5.7878,  
10.2960

■ 104.7170, 2.6045,  
4.6332

■ 111.1740, -0.5788,  
-1.0296

■ 117.6310, -3.7621,  
-6.6924

■ 124.0880, -6.9454,  
-12.3552

# Harmonies

## Analogous

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



65.9240, 35.5335, -10.4573



65.9750, 21.7043, 38.6099



54.1330, 8.8084, 68.2894

# Triad

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



65.9750, 21.7043, 38.6099



63.8690, -31.4874, 19.4089



61.0500, 20.6814, -53.5408

# Complementary

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



65.9750, 21.7043, 38.6099



79.0250, -21.7043, -38.6099

# 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.



56.4900, 3.2094, -49.5417



65.9750, 21.7043, 38.6099



58.3770, -28.7799, -9.1006

# Square

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



65.9750, 21.7043, 38.6099



61.9740, -30.5532, 46.5038



49.8270, -14.7047, -43.6983



62.8230, 35.0903, -55.0958



# Rectangle

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



65.9750, 21.7043, 38.6099



54.1150, -4.0007, 70.0591



49.8270, -14.7047, -43.6983



59.5680, 15.0030, -52.2411

# Sweetspot

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



65.9750, 21.7043, 38.6099



125.9770, 8.3923, 14.9292



43.5500, 32.7599, -7.4983



61.0210, 4.9196, 8.7516



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



65.9750, 21.7043, 38.6099



74.3210, 33.8587, 60.2315



61.7570, 5.5428, 42.3091



52.4780, 1.7363, 3.0888



49.5600, 34.7269, 61.7759



102.0110, 71.4796, 127.1554



# Inverse Universe

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



65.9750, 21.7043, 38.6099



74.3210, 33.8587, 60.2315



83.3570, -5.1060, -42.4091



52.4780, 1.7363, 3.0888



49.5600, 34.7269, 61.7759

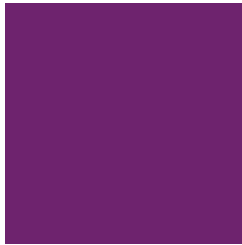


102.0110, 71.4796, 127.1554



# Previews

## White Background



This preview shows how the YUV color 65.9750, 21.7043, 38.6099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

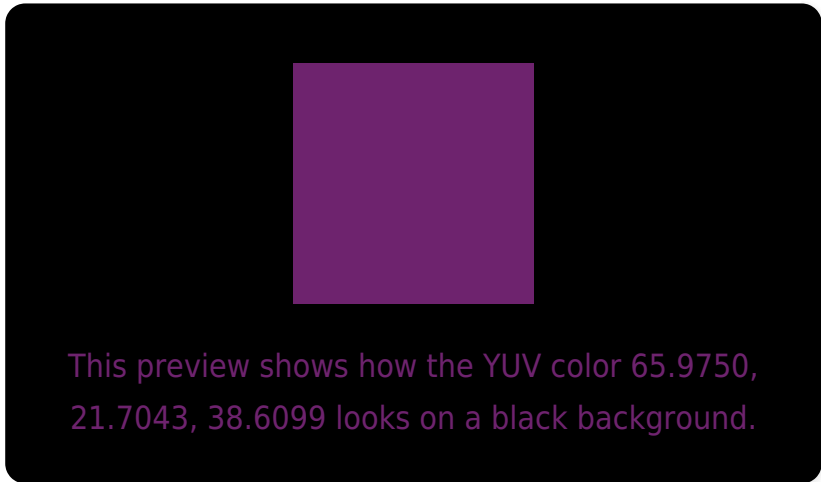
Any Text WCAG AA ✓ Pass

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

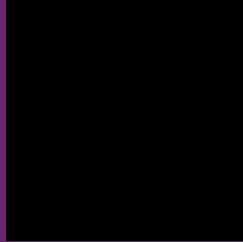
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 65.9750, 21.7043, 38.6099

## Background



This preview shows how black text looks on a background with the YUV color 65.9750, 21.7043, 38.6099.



This preview shows how white text looks on a background with the YUV color 65.9750, 21.7043,



# 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

65.9750, 21.7043, 38.6099

### Protanopia

58.4750, 39.6988, -39.8816

### Deuteranopia

66.8360, 18.8149, -14.7652



## Tritanopia

68.0040, -5.9180, 31.5685

# Trichromacy



## Original Color

65.9750, 21.7043, 38.6099

## Protanomaly

61.2290, 32.9181, -11.6018

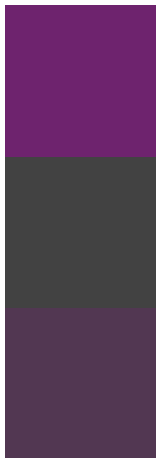
## Deuteranomaly

66.5980, 19.9182, 4.7376

## Tritanomaly

67.3600, 4.2595, 33.8873

# Monochromacy



## Original Color

65.9750, 21.7043, 38.6099

## Achromatopsia

66.0000, 0.0000, 0.0000

## Achromatomaly

66.1510, 7.8136, 13.8996

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 65.9750, 21.7043, 38.6099 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(110, 35, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 35, 110)  
}
```

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(110, 35, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 35, 110) }
```

## Border

The CSS property to change the border of an element to YUV 65.9750, 21.7043, 38.6099 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(110, 35, 110) }
```



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

```
.border{ border-color:rgb(110, 35, 110) }
```

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

Here you see how a box with a 4 pixel rgb(110, 35, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 35, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 35, 110);  
box-shadow:4px 4px 4px 4px rgb(110, 35,  
110) }
```

# Background

The CSS property to change the background color of an element to YUV 65.9750, 21.7043, 38.6099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 35, 110) }
```

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

```
.background{ background-color: rgb(110, 35,  
110) }
```

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