

# Converting Colors

YUV(66.6150, 27.7978, 44.1876)

Have a look what the booklet for  
YUV(66.6150, 27.7978, 44.1876)  
contains.

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# Color

**YUV(66.6150, 27.7978,  
44.1876)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 751E7B                    |
| RGB           | 117, 30, 123              |
| RGB Percent   | 46%, 12%, 48%             |
| CMY           | 0.5412, 0.8824, 0.5176    |
| CMYK          | 0.05, 0.76, 0.00, 0.52    |
| HSL           | 296°, 61%, 30%            |
| HSV           | 296°, 76%, 48%            |
| XYZ           | 11.3755, 6.1405, 19.3246  |
| YIQ           | 66.6150, 21.9990, 47.3670 |

# Conversions

## Conversions Part 2

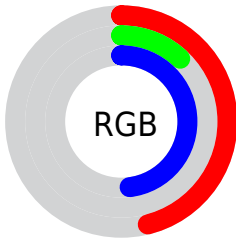
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 117, 30, 123                  |
| Decimal                             | 7675515                       |
| CIE <sub>Lab</sub>                  | 29.76, 49.14, -33.49          |
| CIE <sub>LCh</sub>                  | 30, 59.471, 325.726           |
| Yxy                                 | 6.1405, 0.3088,<br>0.1667     |
| Android<br>(android.graphics.Color) | 4285865595<br>(0xFF751E7B)    |
| YUV                                 | 66.6150, 27.7978,<br>44.1876  |
| Hunter-Lab                          | 24.7801, 38.5772,<br>-28.8909 |

# Details

The YUV color **66.6150, 27.7978, 44.1876** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **86.3850, -27.7978, -44.1876**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.8000, 27.2136, 44.9024**, and **27.7570, 22.3048, 32.6621** is the 20% darker color. If you saturate the color by 10%, you get **59.2720, 31.4179, 49.7505**, and if you desaturate by 10%, it is **73.9580, 24.1777, 38.6248**.

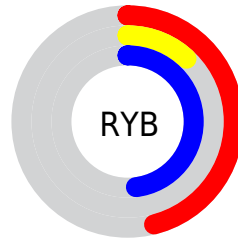
# Distribution



Red (46%)

Green (12%)

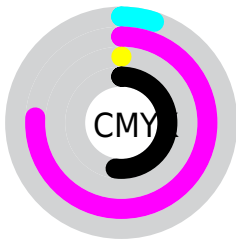
Blue (48%)



Red (46%)

Yellow (12%)

Blue (48%)

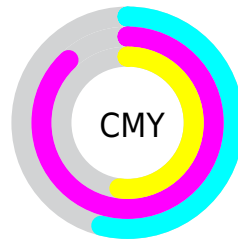


Cyan (5%)

Magenta (76%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (88%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 66.6150, 27.7978, 44.1876 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 66.6150, 27.7978, 44.1876 by changing the saturation by 10% instead.



66.6150, 27.7978,  
44.1876

66.6150, 27.7978,  
44.1876

255.0000, 0.0000,  
0.0000

38.3810, 29.3922,  
46.1469

120.8000, 27.2136,  
44.9024

27.7570, 22.3048,  
32.6621

147.6260, 27.7924,  
45.9320

18.6710, 15.9382,  
21.3365

175.3380, 27.9344,  
47.0616

3.1920, 12.2303,  
-2.7994

201.5830, 26.3346,  
46.8467

0.0000, 0.0000,  
0.0000

218.0190, 18.2316,  
32.4323

235.0420, 9.8393,

17.5032

252.0650, 1.4470,  
2.5740

66.6150, 27.7978,  
44.1876

66.6150, 27.7978,  
44.1876

59.2720, 31.4179,  
49.7505

73.9580, 24.1777,  
38.6248

51.3420, 35.3274,  
55.8281

81.8880, 20.2682,  
32.5472

48.4070, 36.7743,  
58.4021

88.9320, 16.7955,  
26.3696

96.2750, 13.1754,  
20.8068

103.6180, 9.5553,  
15.2440

■ 111.5480, 5.6458,  
9.1664

■ 118.8910, 2.0257,  
3.6036

■ 125.9350, -1.4470,  
-2.5740

■ 133.8650, -5.3564,  
-8.6516

# Harmonies

## Analogous

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



65.4370, 44.1546, -22.3082



66.6150, 27.7978, 44.1876



52.3610, 13.1330, 81.2444

# Triad

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



66.6150, 27.7978, 44.1876



66.2500, -32.6613, 22.5828



64.6690, 21.8552, -56.7147

# Complementary

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



66.6150, 27.7978, 44.1876



86.3850, -27.7978, -44.1876

# 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.



58.7240, 1.6151, -51.5009



66.6150, 27.7978, 44.1876



60.7250, -29.9374, -11.1598

# Square

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



66.6150, 27.7978, 44.1876



63.5020, -31.3065, 54.8107



50.8070, -21.1039, -44.5577



67.8270, 39.0323, -59.4843



# Rectangle

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



66.6150, 27.7978, 44.1876



49.7240, -0.8499, 86.1881



50.8070, -21.1039, -44.5577



62.9590, 15.3032, -55.2150

# Sweetspot

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



66.6150, 27.7978, 44.1876



138.3840, 11.1497, 17.2032



44.1240, 38.8859, -12.3867



67.9010, 6.9508, 10.6108



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.



66.6150, 27.7978, 44.1876



71.7210, 44.0145, 69.5277



63.8490, 9.4414, 51.8754



57.4780, 1.7363, 3.0888



49.2330, 37.3531, 59.4317



99.2920, 75.2850, 119.8929



# Inverse Universe

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



58.4910, -11.0881, 56.5744



59.0930, -17.3008, 89.3724



89.1510, -9.4414, -51.8754



56.7940, -0.8844, 3.6887



38.2870, -14.9315, 76.0473

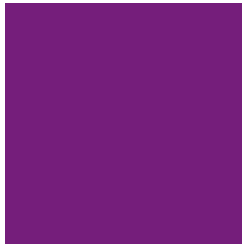


77.1720, -30.1578, 153.3242



# Previews

## White Background



This preview shows how the YUV color 66.6150, 27.7978, 44.1876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

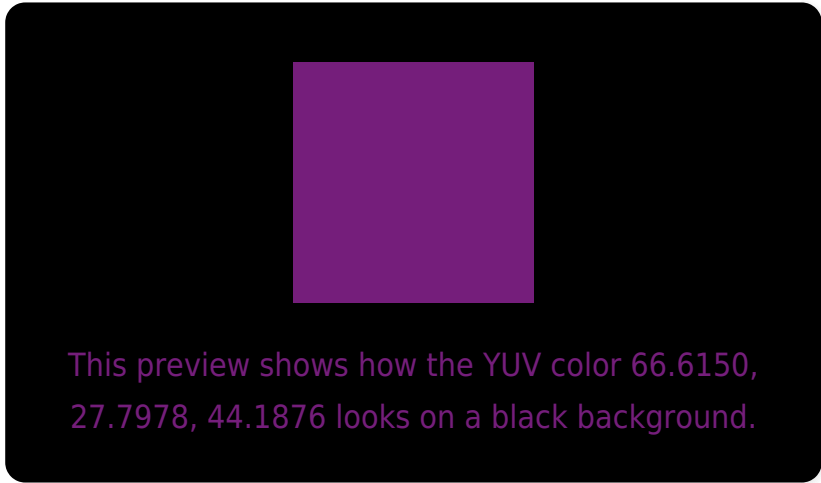
Any Text WCAG AA ✓ Pass

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

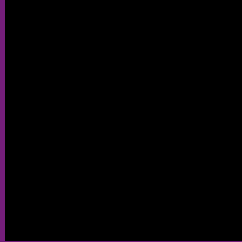
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 66.6150, 27.7978, 44.1876

## Background



This preview shows how black text looks on a background with the YUV color 66.6150, 27.7978, 44.1876.



This preview shows how white text looks on a background with the YUV color 66.6150, 27.7978,



# 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

66.6150, 27.7978, 44.1876

### Protanopia

57.1470, 43.8045, -50.1179

### Deuteranopia

68.4590, 23.9307, -22.3275



## Tritanopia

70.9010, -6.3602, 33.4128

# Trichromacy



## Original Color

66.6150, 27.7978, 44.1876

## Protanomaly

60.8740, 38.0231, -15.6755

## Deuteranomaly

67.9550, 25.1652, 1.7935

## Tritanomaly

69.2510, 6.2853, 37.4909

# Monochromacy



## Original Color

66.6150, 27.7978, 44.1876

## Achromatopsia

67.0000, 0.0000, 0.0000

## Achromatomaly

67.0310, 9.8447, 15.7588

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 66.6150, 27.7978, 44.1876 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(117, 30, 123)` looks like.

```
.text, #text, p{  
    color:rgb(117, 30, 123)  
}
```

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(117, 30, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 30, 123) }
```

## Border

The CSS property to change the border of an element to YUV 66.6150, 27.7978, 44.1876 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(117, 30, 123) }
```



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

```
.border{ border-color:rgb(117, 30, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 30, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 30, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 30, 123);  
box-shadow:4px 4px 4px 4px rgb(117, 30,  
123) }
```

# Background

The CSS property to change the background color of an element to YUV 66.6150, 27.7978, 44.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 30, 123) }
```

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

```
.background{ background-color: rgb(117, 30,  
123) }
```

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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