

# Converting Colors

YUV(48.6070, 33.2247, 30.1627)

Have a look what the booklet for  
YUV(48.6070, 33.2247, 30.1627)  
contains.

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# Color

**YUV(48.6070, 33.2247,  
30.1627)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	531274
RGB	83, 18, 116
RGB Percent	33%, 7%, 45%
CMY	0.6745, 0.9294, 0.5451
CMYK	0.28, 0.84, 0.00, 0.55
HSL	280°, 73%, 26%
HSV	280°, 84%, 45%
XYZ	6.9360, 3.5326, 16.8393
YIQ	48.6070, 7.2820, 44.2580

# Conversions

## Conversions Part 2

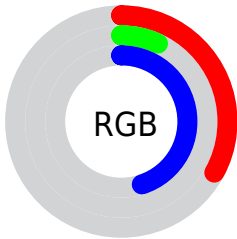
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 18, 116
Decimal	5444212
CIELab	22.06, 44.88, -41.73
CIELCh	22, 61.286, 317.085
Yxy	3.5326, 0.2540, 0.1294
Android (android.graphics.Color)	4283634292 (0xFF531274)
YUV	48.6070, 33.2247, 30.1627
Hunter-Lab	18.7951, 32.9805, -39.9636




# Details

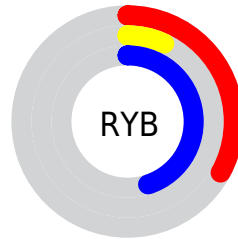
The YUV color **48.6070, 33.2247, 30.1627** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **85.3930, -33.2247, -30.1627**, and the grayscale version is **48.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **101.0200, 33.5141, 30.6775**, and **17.8040, 24.2536, 14.2039** is the 20% darker color. If you saturate the color by 10%, you get **40.3670, 37.2871, 33.8811**, and if you desaturate by 10%, it is **56.8470, 29.1624, 26.4442**.

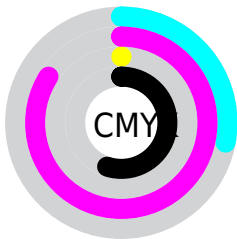
# Distribution







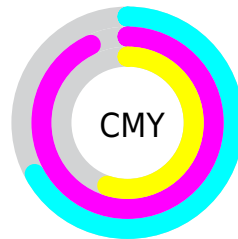
-  Red (33%)
-  Green (7%)
-  Blue (45%)






-  Red (33%)
-  Yellow (7%)
-  Blue (45%)



-  Cyan (28%)
-  Magenta (84%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (67%)
-  Magenta (93%)
-  Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.6070, 33.2247, 30.1627 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 48.6070, 33.2247, 30.1627 by changing the saturation by 10% instead.



48.6070, 33.2247,  
30.1627

48.6070, 33.2247,  
30.1627

255.0000, 0.0000,  
0.0000

27.4170, 31.3464,  
25.9443

101.0200, 33.5141,  
30.6775

17.8040, 24.2536,  
14.2039

127.7320, 33.6561,  
31.8070

5.0160, 19.2191,  
-4.3990

154.6720, 34.6717,  
32.7367

3.0950, 9.3202,  
-2.7143

181.7970, 35.1031,  
34.3810


0.0000, 0.0000,  
0.0000


207.1320, 23.5989,  
37.5952


225.0630, 14.7589,


26.2547


 241.4990, 6.6560,  
11.8404

 48.6070, 33.2247,  
30.1627


 48.6070, 33.2247,  
30.1627


 40.3670, 37.2871,  
33.8811


 56.8470, 29.1624,  
26.4442

 36.2470, 39.3182,  
35.7404

 64.5000, 25.3895,  
23.2405

 72.7400, 21.3272,  
19.5220

 80.3930, 17.5543,  
16.3183

 88.6330, 13.4919,  
12.5999

■ 96.5740, 9.5770,  
8.2666

■ 104.2270, 5.8041,  
5.0629

■ 112.4670, 1.7418,  
1.3444

■ 120.1200, -2.0312,  
-1.8592

# Harmonies

## Analogous

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



46.1250, 47.2664, -40.4516



48.6070, 33.2247, 30.1627



44.3160, 14.6342, 66.3749

# Triad

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



48.6070, 33.2247, 30.1627



50.3460, -24.8206, 27.7606



50.0960, 14.2497, -43.9342

# Complementary

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



48.6070, 33.2247, 30.1627



85.3930, -33.2247, -30.1627

# 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.



44.0370, -6.4272, -38.6204



48.6070, 33.2247, 30.1627



46.8920, -23.1178, -5.1673

# Square

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



48.6070, 33.2247, 30.1627



37.2980, -18.3879, 64.6367



38.7420, -19.0998, -33.9767



54.7700, 32.1584, -48.0333



# Rectangle

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



48.6070, 33.2247, 30.1627



43.1030, 0.9352, 73.5777



38.7420, -19.0998, -33.9767



47.6850, 7.5503, -41.8197

# Sweetspot

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



48.6070, 33.2247, 30.1627



124.6930, 12.4764, 11.6702



49.1300, 32.9669, -27.3010



61.1070, 7.8352, 6.9222



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.



48.6070, 33.2247, 30.1627



47.0000, 50.7790, 46.4810



56.7640, 21.8083, 51.9500



54.8800, 2.0312, 1.8592



38.1270, 41.3494, 37.5996



78.1340, 84.7299, 77.0585



# Inverse Universe

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



51.0640, -0.0316, 56.9489



50.6640, 0.1656, 87.1177



77.2360, -21.8083, -51.9500



55.0220, -0.0108, 3.4887



41.1520, -0.0749, 70.9037

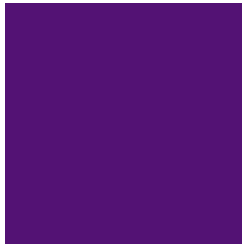


84.3260, -0.1607, 145.2961



# Previews

## White Background



This preview shows how the YUV color 48.6070, 33.2247, 30.1627 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

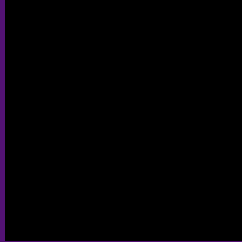
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.6070, 33.2247, 30.1627

## Background



This preview shows how black text looks on a background with the YUV color 48.6070, 33.2247, 30.1627.



This preview shows how white text looks on a background with the YUV color 48.6070, 33.2247,



# 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

48.6070, 33.2247, 30.1627

### Protanopia

43.7650, 33.1469, -38.3819

### Deuteranopia

43.9300, 26.1635, -38.5266



## Tritanopia

55.5180, -2.2274, 14.4547

# Trichromacy



## Original Color

48.6070, 33.2247, 30.1627

## Protanomaly

45.3320, 33.3603, -13.4462

## Deuteranomaly

45.4800, 28.8504, -13.5760

## Tritanomaly

52.9930, 10.8495, 20.1771

# Monochromacy



## Original Color

48.6070, 33.2247, 30.1627

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.8670, 11.8976, 10.6406

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.6070, 33.2247, 30.1627 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(83, 18, 116)` looks like.

```
.text, #text, p{  
    color:rgb(83, 18, 116)  
}
```

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(83, 18, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 18, 116) }
```

## Border

The CSS property to change the border of an element to YUV 48.6070, 33.2247, 30.1627 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(83, 18, 116) }
```



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

```
.border{ border-color:rgb(83, 18, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 18, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 18, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 18, 116);  
box-shadow:4px 4px 4px 4px rgb(83, 18,  
116) }
```

# Background

The CSS property to change the background color of an element to YUV 48.6070, 33.2247, 30.1627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 18, 116) }
```

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

```
.background{ background-color: rgb(83, 18,  
116) }
```

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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