

# Converting Colors

YUV(48.1670, 13.7217, 32.3025)

Have a look what the booklet for  
YUV(48.1670, 13.7217, 32.3025)  
contains.

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# Color

**YUV(48.1670, 13.7217,  
32.3025)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	55184C
RGB	85, 24, 76
RGB Percent	33%, 9%, 30%
CMY	0.6667, 0.9059, 0.7020
CMYK	0.00, 0.72, 0.11, 0.67
HSL	309°, 56%, 21%
HSV	309°, 72%, 33%
XYZ	5.3775, 3.1064, 7.1536
YIQ	48.1670, 19.6640, 29.1040

# Conversions

## Conversions Part 2

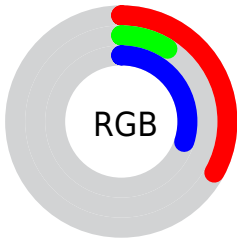
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 24, 76
Decimal	5576780
CIELab	20.46, 34.77, -17.83
CIElCh	20, 39.077, 332.850
Yxy	3.1064, 0.3439, 0.1986
Android (android.graphics.Color)	4283766860 (0xFF55184C)
YUV	48.1670, 13.7217, 32.3025
Hunter-Lab	17.6249, 23.6178, -11.7274

# Details

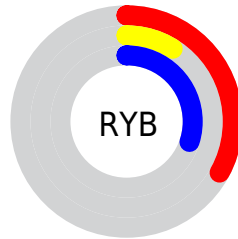
The YUV color **48.1670, 13.7217, 32.3025** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **60.8330, -13.7217, -32.3025**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.0640, 13.2794, 34.1469**, and **15.6080, 8.0813, 21.3918** is the 20% darker color. If you saturate the color by 10%, you get **42.7700, 15.8894, 37.0357**, and if you desaturate by 10%, it is **52.9770, 11.8433, 28.0842**.

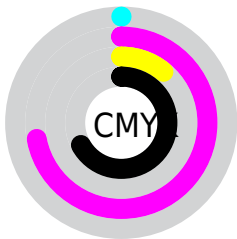
# Distribution



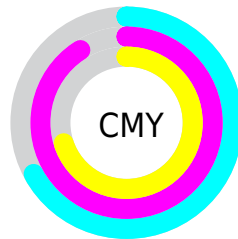
- Red (33%)
- Green (9%)
- Blue (30%)



- Red (33%)
- Yellow (9%)
- Blue (30%)



- Cyan (0%)
- Magenta (72%)
- Yellow (11%)
- Black (67%)



- Cyan (67%)
- Magenta (91%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.1670, 13.7217, 32.3025 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 48.1670, 13.7217, 32.3025 by changing the saturation by 10% instead.



■ 48.1670, 13.7217,  
32.3025

■ 48.1670, 13.7217,  
32.3025

■ 255.0000, 0.0000,  
0.0000

■ 23.9820, 14.3059,  
31.5878

■ 98.0640, 13.2794,  
34.1469

■ 15.6080, 8.0813,  
21.3918

■ 123.7760, 13.4214,  
35.2764

■ 0.3420, 1.3104,  
-0.2999

■ 150.4880, 13.5634,  
36.4060

■ 0.0000, 0.0000,  
0.0000


■ 177.2000, 13.7054,  
37.5356


■ 205.0260, 14.2842,  
38.5652


■ 225.6500, 14.4696,


25.7400


 242.0860, 6.3666,  
11.3256


 48.1670, 13.7217,  
32.3025


 48.1670, 13.7217,  
32.3025


 42.7700, 15.8894,  
37.0357

 52.9770, 11.8433,  
28.0842


 37.8460, 17.3309,  
41.3541

 58.4880, 10.1124,  
23.2510

 33.6230, 18.9199,  
45.0576

 63.2980, 8.2341,  
19.0327

 68.6950, 6.0664,  
14.2995

 73.5050, 4.1880,  
10.0811

■ 79.0160, 2.4571,  
5.2480

■ 83.8260, 0.5788,  
1.0296

■ 89.2230, -1.5889,  
-3.7036

■ 94.0330, -3.4673,  
-7.9219

# Harmonies

## Analogous

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



49.9010, 23.7128, 0.9638



48.1670, 13.7217, 32.3025



42.4050, 2.7583, 48.7568

# Triad

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



48.1670, 13.7217, 32.3025



46.4040, -22.8772, 11.0467



45.5140, 17.0016, -39.9158

# Complementary

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



48.1670, 13.7217, 32.3025



60.8330, -13.7217, -32.3025

# 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.



42.2080, 4.3345, -37.0164



48.1670, 13.7217, 32.3025



42.1410, -20.7755, -9.7707

# Square

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



48.1670, 13.7217, 32.3025



46.2370, -22.7948, 31.3642



37.6140, -8.1907, -32.9875



46.0330, 26.6057, -40.3709



# Rectangle

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



48.1670, 13.7217, 32.3025



42.5870, -6.6984, 48.5972



37.6140, -8.1907, -32.9875



44.4880, 13.0704, -39.0160

# Sweetspot

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



48.1670, 13.7217, 32.3025



95.4560, 5.1982, 12.7551



33.3460, 25.4654, -1.1804



47.5540, 3.1779, 7.4071



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



48.1670, 13.7217, 32.3025



52.6390, 21.3770, 50.3056



44.7470, 0.6177, 35.3019



40.6520, 1.1576, 2.0592



42.3670, 23.9761, 56.6831



93.0650, 52.7190, 124.4770



# Inverse Universe

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



48.1670, 13.7217, 32.3025



52.6390, 21.3770, 50.3056



64.2530, -0.6177, -35.3019



40.6520, 1.1576, 2.0592



42.3670, 23.9761, 56.6831

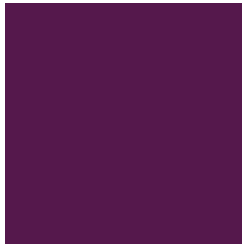


93.0650, 52.7190, 124.4770



# Previews

## White Background



This preview shows how the YUV color 48.1670, 13.7217, 32.3025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

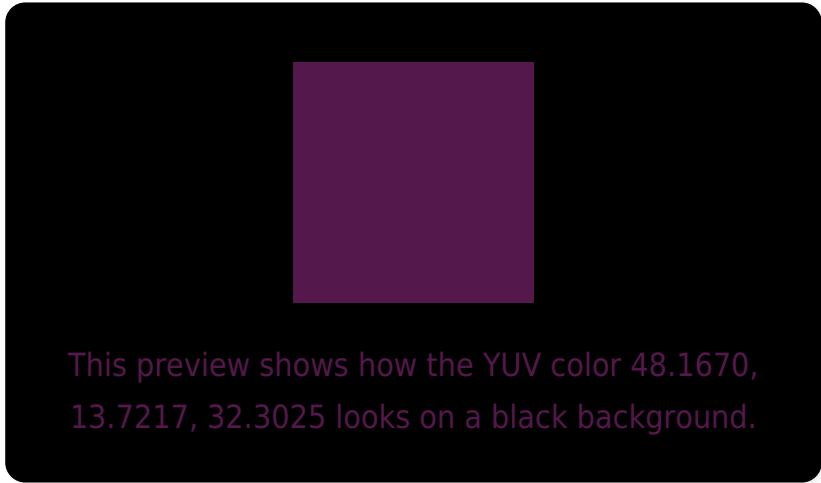
Any Text WCAG AA ✓ Pass

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

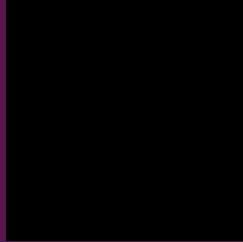
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.1670, 13.7217, 32.3025

## Background



This preview shows how black text looks on a background with the YUV color 48.1670, 13.7217, 32.3025.



This preview shows how white text looks on a background with the YUV color 48.1670, 13.7217,



# 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

48.1670, 13.7217, 32.3025

### Protanopia

46.5130, 25.3831, -21.4979

### Deuteranopia

50.4150, 10.6414, -6.5030



## Tritanopia

49.7970, -5.3229, 27.3650

# Trichromacy



## Original Color

48.1670, 13.7217, 32.3025

## Protanomaly

47.1950, 21.1029, -1.9250

## Deuteranomaly

49.7310, 11.4716, 7.2519

## Tritanomaly

49.2300, 1.3656, 28.7393

# Monochromacy



## Original Color

48.1670, 13.7217, 32.3025

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

47.7440, 5.0562, 11.6255

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.1670, 13.7217, 32.3025 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(85, 24, 76)` looks like.

```
.text, #text, p{  
    color:rgb(85, 24, 76)  
}
```

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(85, 24, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 24, 76) }
```

## Border

The CSS property to change the border of an element to YUV 48.1670, 13.7217, 32.3025 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(85, 24, 76) }
```



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

```
.border{ border-color:rgb(85, 24, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 24, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 24, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 24, 76);  
box-shadow:4px 4px 4px 4px rgb(85, 24, 76)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.1670, 13.7217, 32.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 24, 76) }
```

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

```
.background{ background-color: rgb(85, 24,  
76) }
```

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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