

# Converting Colors

YUV(46.8450, 18.8104, 33.4619)

Have a look what the booklet for  
YUV(46.8450, 18.8104, 33.4619)  
contains.

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# Color

**YUV(46.8450, 18.8104,  
33.4619)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	551455
RGB	85, 20, 85
RGB Percent	33%, 8%, 33%
CMY	0.6667, 0.9216, 0.6667
CMYK	0.00, 0.76, 0.00, 0.67
HSL	300°, 62%, 21%
HSV	300°, 76%, 33%
XYZ	5.6362, 3.0875, 8.8932
YIQ	46.8450, 17.8750, 33.9950

# Conversions

## Conversions Part 2

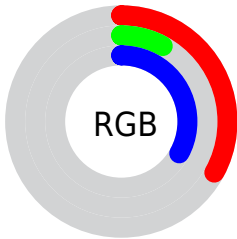
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 20, 85
Decimal	5575765
CIELab	20.39, 38.12, -24.03
CIElCh	20, 45.063, 327.771
Yxy	3.0875, 0.3199, 0.1753
Android (android.graphics.Color)	4283765845 (0xFF551455)
YUV	46.8450, 18.8104, 33.4619
Hunter-Lab	17.5712, 26.5061, -17.7082

# Details

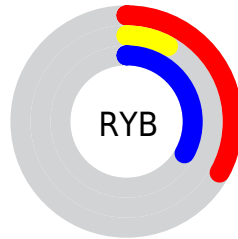
The YUV color **46.8450, 18.8104, 33.4619** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **58.1550, -18.8104, -33.4619**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.4430, 18.5156, 34.6915**, and **16.5200, 11.5756, 20.5920** is the 20% darker color. If you saturate the color by 10%, you get **41.5620, 21.4149, 38.0951**, and if you desaturate by 10%, it is **51.5410, 16.4953, 29.3435**.

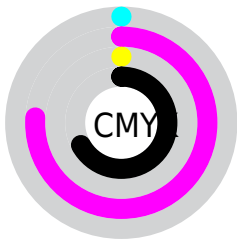
# Distribution



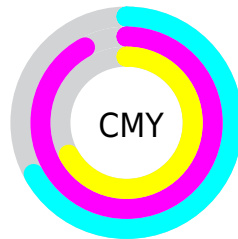
- Red (33%)
- Green (8%)
- Blue (33%)



- Red (33%)
- Yellow (8%)
- Blue (33%)



- Cyan (0%)
- Magenta (76%)
- Yellow (0%)
- Black (67%)



- Cyan (67%)
- Magenta (92%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.8450, 18.8104, 33.4619 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 46.8450, 18.8104, 33.4619 by changing the saturation by 10% instead.



46.8450, 18.8104,  
33.4619

46.8450, 18.8104,  
33.4619

255.0000, 0.0000,  
0.0000

25.0080, 18.2371,  
30.6880

97.4430, 18.5156,  
34.6915

16.5200, 11.5756,  
20.5920

123.1550, 18.6576,  
35.8211

2.5250, 7.1362,  
-2.2144

149.9810, 19.2364,  
36.8507


0.0000, 0.0000,  
0.0000

177.2800, 19.0890,  
37.4654


205.1060, 19.6677,  
38.4950


224.4760, 15.0483,


26.7695


 240.9120, 6.9454,  
12.3552


 46.8450, 18.8104,  
33.4619


 46.8450, 18.8104,  
33.4619


 41.5620, 21.4149,  
38.0951

 51.5410, 16.4953,  
29.3435

 36.8660, 23.7301,  
42.2135

 56.8240, 13.8908,  
24.7104

 35.1050, 24.5982,  
43.7579

 62.1070, 11.2862,  
20.0772

 66.8030, 8.9711,  
15.9588

 71.4990, 6.6560,  
11.8404

■ 76.7820, 4.0515,  
7.2072

■ 81.4780, 1.7363,  
3.0888

■ 86.7610, -0.8682,  
-1.5444

■ 91.4570, -3.1833,  
-5.6628

# Harmonies

## Analogous

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



47.2570, 30.4393, -9.8724



46.8450, 18.8104, 33.4619



37.1380, 7.8200, 58.6380

# Triad

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



46.8450, 18.8104, 33.4619



46.7250, -23.0354, 15.1502



45.9870, 16.2754, -40.3306

# Complementary

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



46.8450, 18.8104, 33.4619



58.1550, -18.8104, -33.4619

# 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.



41.6380, 2.1505, -36.5165



46.8450, 18.8104, 33.4619



42.4400, -20.9229, -9.1559

# Square

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



46.8450, 18.8104, 33.4619



45.0960, -22.2323, 37.6268



36.2460, -13.4323, -31.7877



47.7770, 28.2109, -41.9004



# Rectangle

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



46.8450, 18.8104, 33.4619



34.9290, -1.9370, 61.4523



36.2460, -13.4323, -31.7877



44.8470, 11.9074, -39.3308

# Sweetspot

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



46.8450, 18.8104, 33.4619



94.7380, 7.5242, 13.3848



27.4100, 28.3919, -6.4986



46.6080, 4.6303, 8.2368



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.



46.8450, 18.8104, 33.4619



50.7130, 29.2285, 51.9947



43.0830, 4.3961, 36.7612



40.6520, 1.1576, 2.0592



44.1910, 30.9648, 55.0835



97.0550, 68.0069, 120.9778



# Inverse Universe

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



46.8450, 18.8104, 33.4619



50.7130, 29.2285, 51.9947



61.8030, -4.8329, -36.6612



40.6520, 1.1576, 2.0592



44.1910, 30.9648, 55.0835

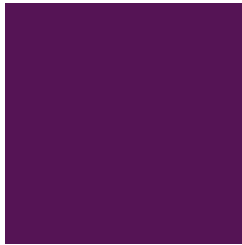


97.0550, 68.0069, 120.9778



# Previews

## White Background



This preview shows how the YUV color 46.8450, 18.8104, 33.4619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

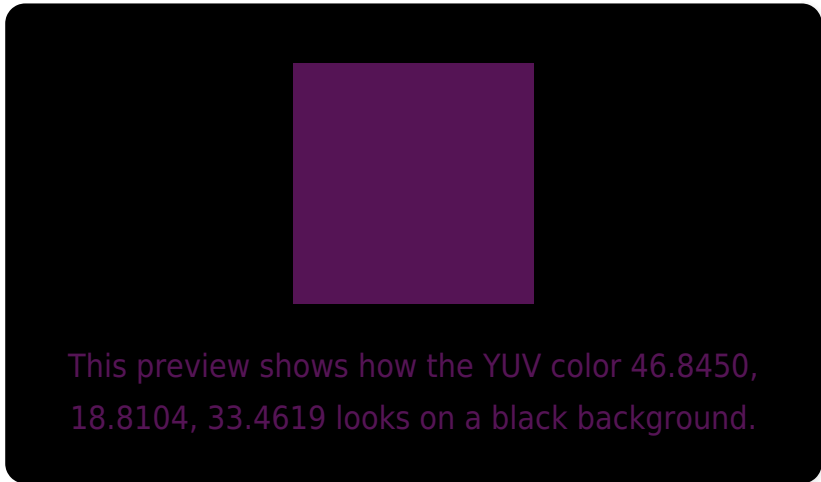
Any Text WCAG AA ✓ Pass

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

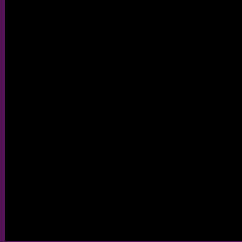
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.8450, 18.8104, 33.4619

## Background



This preview shows how black text looks on a background with the YUV color 46.8450, 18.8104, 33.4619.



This preview shows how white text looks on a background with the YUV color 46.8450, 18.8104,



# 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

46.8450, 18.8104, 33.4619

### Protanopia

40.6190, 31.2468, -35.6229

### Deuteranopia

49.2230, 15.1731, -13.3506



## Tritanopia

50.1990, -5.0281, 26.1355

# Trichromacy



## Original Color

46.8450, 18.8104, 33.4619

## Protanomaly

42.6330, 26.8029, -10.2021

## Deuteranomaly

48.6750, 16.4292, 3.7930

## Tritanomaly

49.0990, 3.4022, 28.8542

# Monochromacy



## Original Color

46.8450, 18.8104, 33.4619

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.9120, 6.9454, 12.3552

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.8450, 18.8104, 33.4619 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, 20, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 20, 85)  
}
```

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, 20, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 20, 85) }
```

## Border

The CSS property to change the border of an element to YUV 46.8450, 18.8104, 33.4619 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, 20, 85) }
```



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

```
.border{ border-color:rgb(85, 20, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 20, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 20, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 20, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 20, 85)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.8450, 18.8104, 33.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 20, 85) }
```

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

```
.background{ background-color: rgb(85, 20,  
85) }
```

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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