

# Converting Colors

YUV(89.5250, 14.0382, 24.0956)

Have a look what the booklet for  
YUV(89.5250, 14.0382, 24.0956)  
contains.

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# Color

**YUV(89.5250, 14.0382,  
24.0956)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	754676
RGB	117, 70, 118
RGB Percent	46%, 27%, 46%
CMY	0.5412, 0.7255, 0.5373
CMYK	0.01, 0.41, 0.00, 0.54
HSL	299°, 26%, 37%
HSV	299°, 41%, 46%
XYZ	12.7963, 9.4702, 18.2930
YIQ	89.5250, 12.6040, 24.8920

# Conversions

## Conversions Part 2

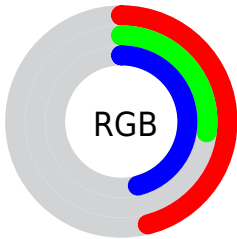
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 70, 118
Decimal	7685750
CIE Lab	36.87, 28.36, -19.20
CIE LCh	37, 34.242, 325.904
Yxy	9.4702, 0.3155, 0.2335
Android (android.graphics.Color)	4285875830 (0xFF754676)
YUV	89.5250, 14.0382, 24.0956
Hunter-Lab	30.7737, 20.3696, -13.7025

# Details

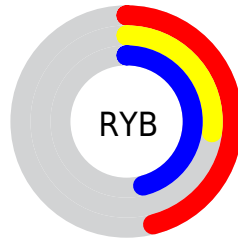
The YUV color  $89.5250, 14.0382, 24.0956$  is a dark color, and the websafe version is hex  $663366$ . A complement of this color would be  $98.4750, -14.0382, -24.0956$ , and the grayscale version is  $89.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $140.6500, 14.4695, 25.7399$ , and  $41.9870, 13.3174, 21.9364$  is the 20% darker color. If you saturate the color by 10%, you get  $82.4810, 17.5109, 30.2732$ , and if you desaturate by 10%, it is  $96.5690, 10.5655, 17.9180$ .

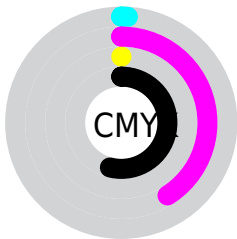
# Distribution



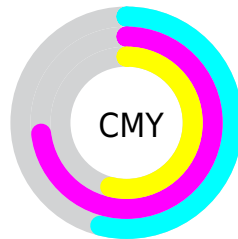
- Red (46%)
- Green (27%)
- Blue (46%)



- Red (46%)
- Yellow (27%)
- Blue (46%)



- Cyan (1%)
- Magenta (41%)
- Yellow (0%)
- Black (54%)



- Cyan (54%)
- Magenta (73%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.5250, 14.0382, 24.0956 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 89.5250, 14.0382, 24.0956 by changing the saturation by 10% instead.



89.5250, 14.0382,  
24.0956

89.5250, 14.0382,  
24.0956

255.0000, 0.0000,  
0.0000

65.6990, 13.4594,  
23.0660

140.6500, 14.4695,  
25.7399

41.9870, 13.3174,  
21.9364

167.4760, 15.0483,  
26.7695

19.1010, 13.7542,  
21.8364

194.3020, 15.6271,  
27.7991

8.9440, 8.4086,  
9.6961

222.6010, 15.4797,  
28.4139

0.0000, 0.0000,  
0.0000

239.1510, 7.8136,  
13.8996

89.5250, 14.0382,  
24.0956

89.5250, 14.0382,  
24.0956

82.4810, 17.5109,  
30.2732

96.5690, 10.5655,  
17.9180

75.4370, 20.9836,  
36.4508

103.6130, 7.0928,  
11.7404

68.6810, 24.3143,  
41.4988

110.3690, 3.7621,  
6.6924

61.6370, 27.7870,  
47.6764

117.4130, 0.2894,  
0.5148

54.5930, 31.2597,  
53.8539

124.4570, -3.1833,  
-5.6628


48.1360, 34.4430,  
59.5167

131.5010, -6.6560,  
-11.8404

138.8440,  
-10.2761, -17.4032

145.3010,

-13.4594, -23.0660

 152.3450,  
-16.9321, -29.2436

# Harmonies

## Analogous

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



87.5690, 23.8765, -4.8840



89.5250, 14.0382, 24.0956



87.8340, 2.0538, 41.3646

# Triad

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



89.5250, 14.0382, 24.0956



84.3080, -27.2668, 19.0239



71.2400, 19.1087, -62.4775

# Complementary

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



89.5250, 14.0382, 24.0956



98.4750, -14.0382, -24.0956

# 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.



68.0480, 6.8783, -59.6781



89.5250, 14.0382, 24.0956



81.6150, -22.9812, -2.2934

# Square

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



89.5250, 14.0382, 24.0956



85.9000, -21.6427, 35.1677



76.9520, -10.8223, -28.8989



71.9870, 29.5864, -63.1326



# Rectangle

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



89.5250, 14.0382, 24.0956



86.5650, -6.6875, 45.1085



76.9520, -10.8223, -28.8989



70.2140, 15.1775, -61.5777

# Sweetspot

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



89.5250, 14.0382, 24.0956



142.4340, 5.2090, 9.2664



76.6460, 20.3875, -5.8285



70.2440, 3.3307, 5.0480



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.



89.5250, 14.0382, 24.0956



108.3770, 21.9991, 37.3804



87.3160, 4.2812, 26.9099



55.4780, 1.7363, 3.0888



49.7880, 35.6005, 61.5759



101.7550, 73.0848, 125.6259



# Inverse Universe

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



84.4660, -6.6387, 29.4093



100.6530, -10.1819, 45.9083



100.6840, -4.2812, -26.9099



54.7940, -0.8844, 3.6887



36.8200, -16.6733, 74.7029

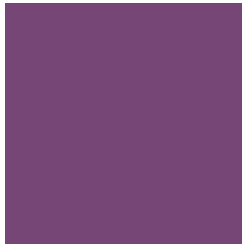


75.3200, -34.6678, 153.1944



# Previews

## White Background



This preview shows how the YUV color 89.5250, 14.0382, 24.0956 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



This preview shows how the YUV color 89.5250, 14.0382, 24.0956 looks on a 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 89.5250, 14.0382, 24.0956

## Background



This preview shows how black text looks on a background with the YUV color 89.5250, 14.0382, 24.0956.



This preview shows how white text looks on a background with the YUV color 89.5250, 14.0382,



# 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

89.5250, 14.0382, 24.0956

### Protanopia

86.8300, 21.2828, -13.0059

### Deuteranopia

87.5120, 13.5516, -6.5880



## Tritanopia

88.4480, -2.6859, 21.5321

# Trichromacy



## Original Color

89.5250, 14.0382, 24.0956

## Protanomaly

87.6360, 18.9135, 0.3192

## Deuteranomaly

87.9910, 13.8084, 4.3929

## Tritanomaly

88.4680, 3.7133, 22.3916

# Monochromacy



## Original Color

89.5250, 14.0382, 24.0956

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

90.0210, 4.9196, 8.7516

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.5250, 14.0382, 24.0956 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, 70, 118)` looks like.

```
.text, #text, p{  
    color:rgb(117, 70, 118)  
}
```

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, 70, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 70, 118) }
```

## Border

The CSS property to change the border of an element to YUV 89.5250, 14.0382, 24.0956 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, 70, 118) }
```



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

```
.border{ border-color:rgb(117, 70, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 70, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 70, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 70, 118);  
box-shadow:4px 4px 4px 4px rgb(117, 70,  
118) }
```

# Background

The CSS property to change the background color of an element to YUV 89.5250, 14.0382, 24.0956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 70, 118) }
```

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

```
.background{ background-color: rgb(117, 70,  
118) }
```

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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