

# Converting Colors

YUV(90.9010, 13.8528, 36.9208)

Have a look what the booklet for  
YUV(90.9010, 13.8528, 36.9208)  
contains.

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# Color

**YUV(90.9010, 13.8528,  
36.9208)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	854077
RGB	133, 64, 119
RGB Percent	52%, 25%, 47%
CMY	0.4784, 0.7490, 0.5333
CMYK	0.00, 0.52, 0.11, 0.48
HSL	312°, 35%, 39%
HSV	312°, 52%, 52%
XYZ	14.8360, 9.9852, 18.5982
YIQ	90.9010, 23.4690, 31.7330

# Conversions

## Conversions Part 2

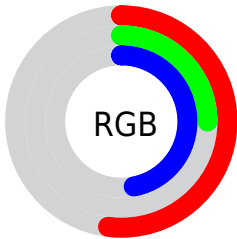
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	133, 64, 119
Decimal	8732791
CIE Lab	37.82, 37.25, -18.18
CIE LCh	38, 41.449, 333.981
Yxy	9.9852, 0.3417, 0.2300
Android (android.graphics.Color)	4286922871 (0xFF854077)
YUV	90.9010, 13.8528, 36.9208
Hunter-Lab	31.5994, 28.5073, -12.7761

# Details

The YUV color **90.9010, 13.8528, 36.9208** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **106.0990, -13.8528, -36.9208**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **143.2110, 13.7000, 39.2800**, and **39.2430, 15.1632, 36.6209** is the 20% darker color. If you saturate the color by 10%, you get **82.9280, 16.3045, 43.9131**, and if you desaturate by 10%, it is **98.8740, 11.4011, 29.9285**.

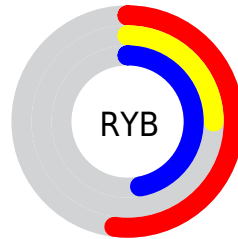
# Distribution



Red (52%)

Green (25%)

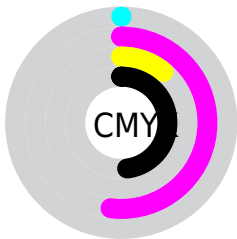
Blue (47%)



Red (52%)

Yellow (25%)

Blue (47%)

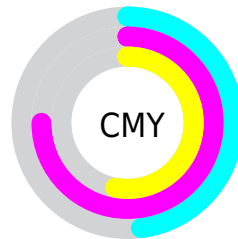


Cyan (0%)

Magenta (52%)

Yellow (11%)

Black (48%)



Cyan (48%)

Magenta (75%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 90.9010, 13.8528, 36.9208 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 90.9010, 13.8528, 36.9208 by changing the saturation by 10% instead.



■ 90.9010, 13.8528,  
36.9208

■ 90.9010, 13.8528,  
36.9208

255.0000, 0.0000,  
0.0000

■ 65.6020, 14.0002,  
36.3060

■ 143.2110, 13.7000,  
39.2800

■ 39.2430, 15.1632,  
36.6209

■ 170.0370, 14.2788,  
40.3096

■ 22.2160, 12.7115,  
29.6286

■ 197.7490, 14.4207,  
41.4391

■ 13.5430, 6.6343,  
18.8178

■ 219.7800, 17.3635,  
30.8879

■ 0.0000, 0.0000,  
0.0000

■ 236.8030, 8.9711,  
15.9588

253.8260, 0.5788,

1.0296

■ 90.9010, 13.8528,  
36.9208

■ 90.9010, 13.8528,  
36.9208

■ 82.9280, 16.3045,  
43.9131

■ 98.8740, 11.4011,  
29.9285

■ 74.4820, 19.4824,  
51.3203

■ 107.3200, 8.2232,  
22.5214

■ 66.5090, 21.9341,  
58.3126

■ 115.2930, 5.7716,  
15.5290

■ 58.5360, 24.3858,  
65.3049

■ 123.2660, 3.3199,  
8.5367

■ 51.8510, 26.6955,  
71.1677

■ 131.7120, 0.1420,  
1.1296

■ 139.6850, -2.3097,  
-5.8627

■ 147.6580, -4.7614,  
-12.8551

■ 155.6310, -7.2131,  
-19.8474

■ 164.0770,  
-10.3910, -27.2545

# Harmonies

## Analogous

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



91.0200, 26.6121, 4.3675



90.9010, 13.8528, 36.9208



87.8140, -0.8943, 53.6601

# Triad

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



90.9010, 13.8528, 36.9208



84.3370, -34.6761, 15.4905



75.4120, 24.9399, -66.1363

# Complementary

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



90.9010, 13.8528, 36.9208



106.0990, -13.8528, -36.9208

# 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.



72.2370, 10.2362, -63.3518



90.9010, 13.8528, 36.9208



81.1640, -25.7169, -11.5448

# Square

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



90.9010, 13.8528, 36.9208



86.2610, -29.2157, 37.4821



67.3720, -4.6204, -58.2082



75.6860, 36.1438, -66.3766



# Rectangle

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



90.9010, 13.8528, 36.9208



87.0670, -11.3720, 54.3152



67.3720, -4.6204, -58.2082



74.7450, 19.8457, -65.5514

# Sweetspot

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



90.9010, 13.8528, 36.9208



156.5810, 5.6296, 14.3995



76.0520, 28.0754, 1.7084



76.5650, 3.1725, 9.1515



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



90.9010, 13.8528, 36.9208



107.7970, 21.7921, 57.1830



87.0250, -0.9983, 40.3201



62.3640, 1.2995, 3.1888



50.7260, 26.2641, 69.5233



1.1250, 0.4314, 1.6444



# Inverse Universe

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



90.9010, 13.8528, 36.9208



107.7970, 21.7921, 57.1830



109.9750, 0.9983, -40.3201



62.3640, 1.2995, 3.1888



50.7260, 26.2641, 69.5233



1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 90.9010, 13.8528, 36.9208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

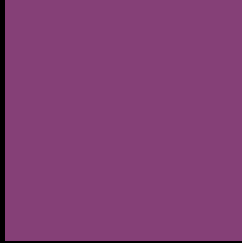
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 90.9010, 13.8528, 36.9208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

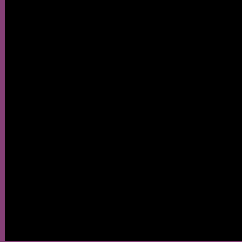
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 90.9010, 13.8528, 36.9208

## Background



This preview shows how black text looks on a background with the YUV color 90.9010, 13.8528, 36.9208.



This preview shows how white text looks on a background with the YUV color 90.9010, 13.8528,



# 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

90.9010, 13.8528, 36.9208

### Protanopia

88.9160, 24.1984, -14.8353

### Deuteranopia

90.1810, 12.2358, -4.5437



## Tritanopia

90.4280, -5.6340, 33.8276

# Trichromacy



## Original Color

90.9010, 13.8528, 36.9208

## Protanomaly

89.4130, 20.5024, 4.0228

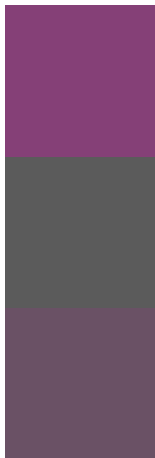
## Deuteranomaly

90.0950, 12.7712, 10.4407

## Tritanomaly

90.6760, 1.6387, 34.4871

# Monochromacy



## Original Color

90.9010, 13.8528, 36.9208

## Achromatopsia

91.0000, 0.0000, 0.0000

## Achromatomaly

90.7550, 5.0508, 13.3699

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.9010, 13.8528, 36.9208 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(133, 64, 119)` looks like.

```
.text, #text, p{  
    color:rgb(133, 64, 119)  
}
```

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(133, 64, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 64, 119) }
```

## Border

The CSS property to change the border of an element to YUV 90.9010, 13.8528, 36.9208 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(133, 64, 119) }
```



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

```
.border{ border-color:rgb(133, 64, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 64, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 64, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 64, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 64,  
119) }
```

# Background

The CSS property to change the background color of an element to YUV 90.9010, 13.8528, 36.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 64, 119) }
```

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

```
.background{ background-color: rgb(133, 64,  
119) }
```

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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