

# Converting Colors

YUV(89.0290, 16.2547, 13.1296)

Have a look what the booklet for  
YUV(89.0290, 16.2547, 13.1296)  
contains.

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# Color

**YUV(89.0290, 16.2547,  
13.1296)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	684B7A
RGB	104, 75, 122
RGB Percent	41%, 29%, 48%
CMY	0.5922, 0.7059, 0.5216
CMYK	0.15, 0.39, 0.00, 0.52
HSL	277°, 24%, 39%
HSV	277°, 39%, 48%
XYZ	11.7378, 9.3804, 19.6043
YIQ	89.0290, 2.1970, 20.7650

# Conversions

## Conversions Part 2

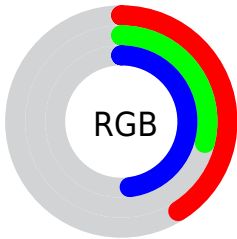
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 75, 122
Decimal	6835066
CIE <sub>Lab</sub>	36.71, 21.81, -22.06
CIE <sub>LCh</sub>	37, 31.022, 314.671
Yxy	9.3804, 0.2882, 0.2303
Android (android.graphics.Color)	4285025146 (0xFF684B7A)
YUV	89.0290, 16.2547, 13.1296
Hunter-Lab	30.6274, 14.8117, -16.5118

# Details

The YUV color **89.0290, 16.2547, 13.1296** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **107.9710, -16.2547, -13.1296**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.3820, 17.5597, 14.5740**, and **42.6760, 14.9497, 11.6851** is the 20% darker color. If you saturate the color by 10%, you get **80.4900, 20.4644, 16.2333**, and if you desaturate by 10%, it is **97.5680, 12.0450, 10.0259**.

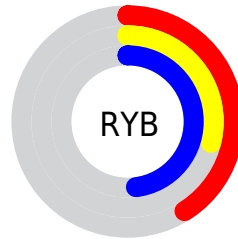
# Distribution



Red (41%)

Green (29%)

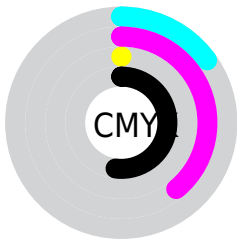
Blue (48%)



Red (41%)

Yellow (29%)

Blue (48%)

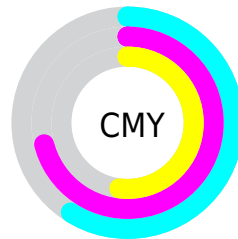


Cyan (15%)

Magenta (39%)

Yellow (0%)

Black (52%)



Cyan (59%)

Magenta (71%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.0290, 16.2547, 13.1296 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 89.0290, 16.2547, 13.1296 by changing the saturation by 10% instead.



■ 89.0290, 16.2547,  
13.1296

■ 89.0290, 16.2547,  
13.1296

■ 255.0000, 0.0000,  
0.0000

■ 65.2030, 15.6759,  
12.1000

■ 139.3820, 17.5597,  
14.5740

■ 42.6760, 14.9497,  
11.6851

■ 165.7950, 17.8491,  
15.0888

■ 20.8500, 14.3710,  
10.6556

■ 193.2080, 18.1385,  
15.6036

■ 3.6050, 12.5197,  
-2.2846

■ 220.8660, 16.8281,  
15.9035

■ 0.0000, 0.0000,  
0.0000

■ 242.0860, 6.3666,  
11.3256

89.0290, 16.2547,  
13.1296

89.0290, 16.2547,  
13.1296

80.4900, 20.4644,  
16.2333

97.5680, 12.0450,  
10.0259

72.2500, 24.5267,  
19.9518

105.8080, 7.9827,  
6.3074

63.1240, 29.0259,  
23.5703

114.9340, 3.4835,  
2.6889

54.5850, 33.2356,  
26.6740

123.4730, -0.7262,  
-0.4148

46.3450, 37.2979,  
30.3924

131.7130, -4.7885,  
-4.1333

37.8060, 41.5076,  
33.4961


140.2520, -8.9982,  
-7.2370

36.3330, 42.2338,  
33.9110

148.7910,  
-13.2080, -10.3407

157.6180,

-17.5597, -14.5740

 166.1570,  
-21.7694, -17.6777

# Harmonies

## Analogous

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



85.3180, 24.4932, -16.0649



89.0290, 16.2547, 13.1296



88.4030, 5.7173, 32.9726

# Triad

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



89.0290, 16.2547, 13.1296



84.7800, -23.0625, 23.8719



69.2850, 14.1565, -60.7629

# Complementary

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



89.0290, 16.2547, 13.1296



107.9710, -16.2547, -13.1296

# 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.



71.4150, 0.2884, -45.9680



89.0290, 16.2547, 13.1296



82.9580, -23.1503, 5.2988

# Square

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



89.0290, 16.2547, 13.1296



85.8770, -16.7014, 36.9419



79.7040, -14.6441, -16.4034



70.7330, 24.7816, -62.0328



# Rectangle

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



89.0290, 16.2547, 13.1296



87.3840, -2.1613, 40.0052



79.7040, -14.6441, -16.4034



68.3730, 10.6621, -59.9631

# Sweetspot

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



89.0290, 16.2547, 13.1296



144.7540, 6.5303, 5.4777



90.9240, 15.3205, -13.9653



71.3470, 3.7729, 3.2037



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



89.0290, 16.2547, 13.1296



106.7770, 25.2529, 20.3666



93.8410, 11.4174, 24.6954



56.8800, 2.0312, 1.8592



37.2730, 43.2494, 34.8406



75.3720, 87.0776, 70.7108



# Inverse Universe

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



91.1050, 0.9342, 27.0949



110.0190, 1.4696, 42.0793



103.1590, -11.4174, -24.6954



57.0220, -0.0108, 3.4887



42.8470, 2.5404, 72.0482



86.4060, 5.2228, 145.2259



# Previews

## White Background



This preview shows how the YUV color 89.0290, 16.2547, 13.1296 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

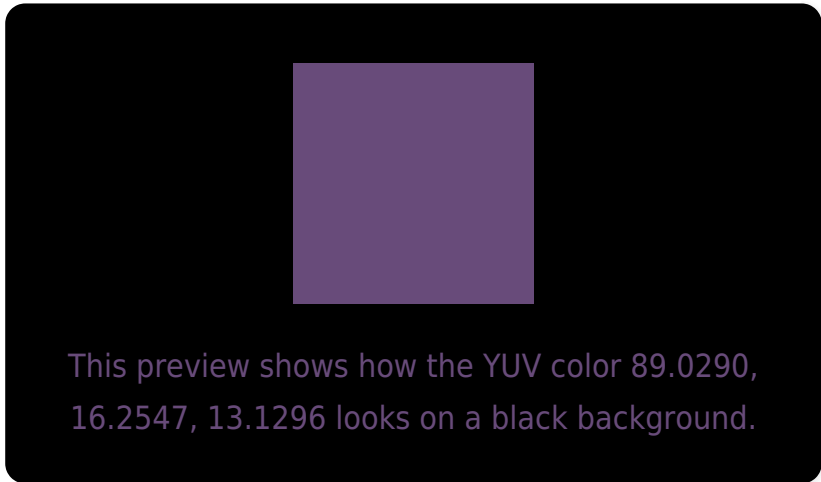
Any Text WCAG AA ✓ Pass

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

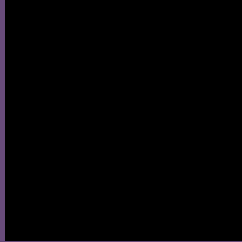
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.0290, 16.2547, 13.1296

## Background



This preview shows how black text looks on a background with the YUV color 89.0290, 16.2547, 13.1296.



This preview shows how white text looks on a background with the YUV color 89.0290, 16.2547,



# 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

89.0290, 16.2547, 13.1296

### Protanopia

85.9440, 21.7196, -13.1059

### Deuteranopia

86.8860, 16.3252, -9.5470



## Tritanopia

87.7670, 0.1149, 9.8513

# Trichromacy



## Original Color

89.0290, 16.2547, 13.1296

## Protanomaly

86.8420, 19.7979, -3.3694

## Deuteranomaly

87.6420, 16.4455, -1.4400

## Tritanomaly

87.9720, 5.9298, 11.4256

# Monochromacy



## Original Color

89.0290, 16.2547, 13.1296

## Achromatopsia

89.0000, 0.0000, 0.0000

## Achromatomaly

88.9280, 5.9515, 4.4481

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.0290, 16.2547, 13.1296 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(104, 75, 122)` looks like.

```
.text, #text, p{  
    color:rgb(104, 75, 122)  
}
```

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(104, 75, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 75, 122) }
```

## Border

The CSS property to change the border of an element to YUV 89.0290, 16.2547, 13.1296 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(104, 75, 122) }
```



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

```
.border{ border-color:rgb(104, 75, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 75, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 75, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 75, 122);  
box-shadow:4px 4px 4px 4px rgb(104, 75,  
122) }
```

# Background

The CSS property to change the background color of an element to YUV 89.0290, 16.2547, 13.1296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 75, 122) }
```

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

```
.background{ background-color: rgb(104, 75,  
122) }
```

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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