

# Converting Colors

YUV(87.8150, -16.1778, 8.9322)

Have a look what the booklet for  
YUV(87.8150, -16.1778, 8.9322)  
contains.

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# Color

**YUV(87.8150, -16.1778,  
8.9322)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	625937
RGB	98, 89, 55
RGB Percent	38%, 35%, 22%
CMY	0.6157, 0.6510, 0.7843
CMYK	0.00, 0.09, 0.44, 0.62
HSL	47°, 28%, 30%
HSV	47°, 44%, 38%
XYZ	9.2990, 10.0173, 5.0578
YIQ	87.8150, 16.2780, -8.6660

# Conversions

## Conversions Part 2

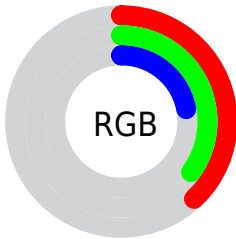
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 98, 55
Decimal	6445367
CIE <sub>Lab</sub>	37.87, -1.82, 20.99
CIE <sub>LCh</sub>	38, 21.069, 94.956
Yxy	10.0173, 0.3815, 0.4110
Android (android.graphics.Color)	4284635447 (0xFF625937)
YUV	87.8150, -16.1778, 8.9322
Hunter-Lab	31.6501, -2.9433, 12.6802

# Details

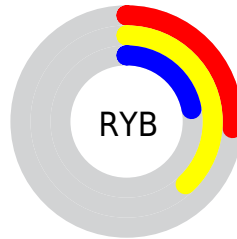
The YUV color **87.8150, -16.1778, 8.9322** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **65.1850, 16.1778, -8.9322**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.0710, -17.7830, 10.4617**, and **42.0320, -15.2988, 6.9879** is the 20% darker color. If you saturate the color by 10%, you get **85.5010, -19.9670, 10.9616**, and if you desaturate by 10%, it is **90.1290, -12.3886, 6.9029**.

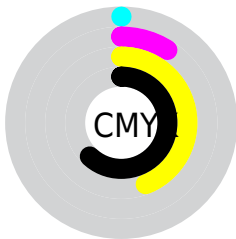
# Distribution



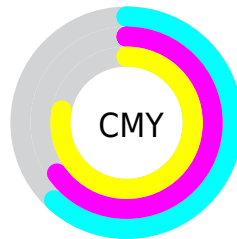
- Red (38%)
- Green (35%)
- Blue (22%)



- Red (26%)
- Yellow (38%)
- Blue (22%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)
- Black (62%)



- Cyan (62%)
- Magenta (65%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.8150, -16.1778, 8.9322 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 87.8150, -16.1778, 8.9322 by changing the saturation by 10% instead.



■ 87.8150, -16.1778,  
8.9322

■ 87.8150, -16.1778,  
8.9322

■ 255.0000, 0.0000,  
0.0000

■ 64.6300, -15.5936,  
8.2175

■ 138.0710,  
-17.7830, 10.4617

■ 42.0320, -15.2988,  
6.9879

■ 164.3700,  
-17.9304, 11.0765

■ 22.1720, -10.9308,  
5.9882

■ 191.2560,  
-18.3672, 11.1765

■ 0.0000, 0.0000,  
0.0000

■ 219.4410,  
-18.9514, 11.8912

■ 246.1200,  
-18.7932, 7.7878

■ 252.9480, -7.8624,

1.7996

■ 87.8150, -16.1778,  
8.9322

■ 87.8150, -16.1778,  
8.9322

■ 85.5010, -19.9670,  
10.9616

■ 90.1290, -12.3886,  
6.9029

■ 83.1870, -23.7562,  
12.9910

■ 92.4430, -8.5994,  
4.8735

■ 80.9870, -27.1086,  
14.9204

■ 94.6430, -5.2470,  
2.9441

■ 78.6730, -30.8978,  
16.9498

■ 96.9570, -1.4578,  
0.9147

■ 76.3590, -34.6870,  
18.9792

■ 99.2710, 2.3314,  
-1.1147

■ 74.5010, -36.7290,  
20.6086

■ 101.5850, 6.1206,  
-3.1440

■ 103.8990, 9.9098,  
-5.1734

■ 106.0990, 13.2622,  
-7.1028

■ 108.4130, 17.0514,  
-9.1322

# Harmonies

## Analogous

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



89.2340, -14.9054, 20.8428



87.8150, -16.1778, 8.9322



86.0520, -12.3506, -5.3076

# Triad

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



87.8150, -16.1778, 8.9322



78.5090, 14.5391, -43.4194



91.4290, 6.1975, 18.9178

# Complementary

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



87.8150, -16.1778, 8.9322



65.1850, 16.1778, -8.9322

# 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.



91.0510, 12.7929, 3.4633



87.8150, -16.1778, 8.9322



82.6010, 18.4377, -33.8531

# Square

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



87.8150, -16.1778, 8.9322



79.5610, 5.6394, -35.5720



87.7820, 17.3625, -15.5948



91.0080, -1.9759, 27.1800



# Rectangle

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



87.8150, -16.1778, 8.9322



83.9520, -7.3713, -15.7439



87.7820, 17.3625, -15.5948



91.6780, 8.5397, 14.3144

# Sweetspot

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



87.8150, -16.1778, 8.9322



123.7140, -6.2680, 3.7588



68.8830, -2.4073, 25.5356



61.6860, -3.7892, 2.0294



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



87.8150, -16.1778, 8.9322



111.4430, -25.3614, 14.5205



89.5100, -17.0134, -3.0783



46.9570, -1.4578, 0.9147



85.7310, -42.2654, 23.0379



183.2900, -90.3620, 49.7347



# Inverse Universe

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



65.1850, 16.1778, -8.9322



75.9700, 25.6508, -14.0057



63.4900, 17.0134, 3.0783



45.0430, 1.4578, -0.9147



26.2690, 42.2654, -23.0379



56.7100, 90.3620, -49.7347



# Previews

## White Background



This preview shows how the YUV color 87.8150, -16.1778, 8.9322 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 × Fail



# Black Background



This preview shows how the YUV color 87.8150, -16.1778, 8.9322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

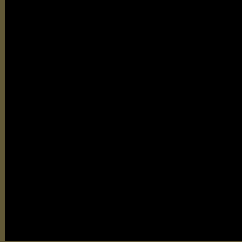
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.8150, -16.1778, 8.9322

## Background



This preview shows how black text looks on a background with the YUV color 87.8150, -16.1778, 8.9322.



This preview shows how white text looks on a background with the YUV color 87.8150, -16.1778,



# 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

87.8150, -16.1778, 8.9322

### Protanopia

87.5160, -16.0304, 8.3175

### Deuteranopia

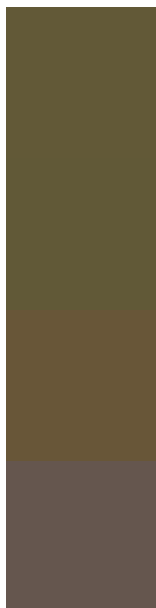
88.5710, -16.0575, 17.0392



## Tritanopia

90.7670, 0.1149, 9.8513

# Trichromacy



## Original Color

87.8150, -16.1778, 8.9322

## Protanomaly

87.5160, -16.0304, 8.3175

## Deuteranomaly

87.9620, -15.7573, 14.0653

## Tritanomaly

89.5730, -5.7055, 10.0215

# Monochromacy



## Original Color

87.8150, -16.1778, 8.9322

## Achromatopsia

88.0000, 0.0000, 0.0000

## Achromatomaly

87.8280, -5.8312, 3.6588

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.8150, -16.1778, 8.9322 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(98, 89, 55)` looks like.

```
.text, #text, p{  
    color:rgb(98, 89, 55)  
}
```

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(98, 89, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 89, 55) }
```

## Border

The CSS property to change the border of an element to YUV 87.8150, -16.1778, 8.9322 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(98, 89, 55) }
```



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

```
.border{ border-color:rgb(98, 89, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 89, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 89, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 89, 55);  
box-shadow:4px 4px 4px 4px rgb(98, 89, 55)  
}
```

# Background

The CSS property to change the background color of an element to YUV 87.8150, -16.1778, 8.9322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 89, 55) }
```

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

```
.background{ background-color: rgb(98, 89,  
55) }
```

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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