

# Converting Colors

YUV(63.9950, 44.8655, 29.8224)

Have a look what the booklet for  
YUV(63.9950, 44.8655, 29.8224)  
contains.

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# Color

**YUV(63.9950, 44.8655,  
29.8224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	621D9B
RGB	98, 29, 155
RGB Percent	38%, 11%, 61%
CMY	0.6157, 0.8863, 0.3922
CMYK	0.37, 0.81, 0.00, 0.39
HSL	273°, 68%, 36%
HSV	273°, 81%, 61%
XYZ	11.3928, 5.8420, 31.5375
YIQ	63.9950, 0.6780, 53.8140

# Conversions

## Conversions Part 2

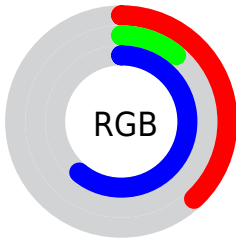
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 29, 155
Decimal	6430107
CIE <sub>Lab</sub>	29.01, 52.52, -54.72
CIE <sub>LCh</sub>	29, 75.849, 313.822
Yxy	5.8420, 0.2336, 0.1198
Android (android.graphics.Color)	4284620187 (0xFF621D9B)
YUV	63.9950, 44.8655, 29.8224
Hunter-Lab	24.1701, 41.8395, -60.4432

# Details

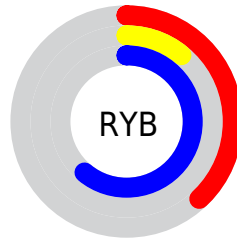
The YUV color **63.9950, 44.8655, 29.8224** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **120.0050, -44.8655, -29.8224**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.1200, 45.2968, 31.4668**, and **24.0010, 38.9465, 14.9081** is the 20% darker color. If you saturate the color by 10%, you get **53.0970, 50.2382, 33.2409**, and if you desaturate by 10%, it is **75.4800, 39.2034, 25.8890**.

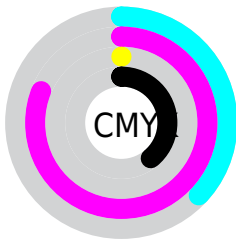
# Distribution



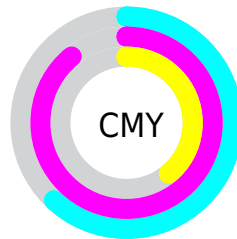
- Red (38%)
- Green (11%)
- Blue (61%)



- Red (38%)
- Yellow (11%)
- Blue (61%)



- Cyan (37%)
- Magenta (81%)
- Yellow (0%)
- Black (39%)



- Cyan (62%)
- Magenta (89%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 63.9950, 44.8655, 29.8224 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 63.9950, 44.8655, 29.8224 by changing the saturation by 10% instead.



63.9950, 44.8655,  
29.8224

63.9950, 44.8655,  
29.8224

255.0000, 0.0000,  
0.0000

35.5220, 45.5917,  
30.2372

118.1200, 45.2968,  
31.4668

24.0010, 38.9465,  
14.9081

145.0600, 46.3124,  
32.3964

12.7790, 32.1540,  
0.1938

171.4040, 41.2128,  
34.7257

6.7430, 23.2977,  
-5.9136

196.2230, 28.9771,  
39.2694

4.8220, 13.3988,  
-4.2289

216.8450, 18.8104,  
33.4619


0.3420, 1.3104,  
-0.2999


233.8680, 10.4181,


0.0000, 0.0000,


18.5328


0.0000


 250.8910, 2.0257,  
3.6036


 63.9950, 44.8655,  
29.8224


 63.9950, 44.8655,  
29.8224


 53.0970, 50.2382,  
33.2409


 75.4800, 39.2034,  
25.8890

 43.0850, 55.1741,  
36.7595

 86.3780, 33.8306,  
22.4705

 97.8630, 28.1685,  
18.5371

 108.7610, 22.7958,  
15.1186

 120.2460, 17.1337,  
11.1853

■ 131.1440, 11.7610,  
7.7667

■ 142.6290, 6.0989,  
3.8334

■ 153.5270, 0.7262,  
0.4148

■ 165.0120, -4.9359,  
-3.5185

# Harmonies

## Analogous

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



61.7070, 61.2764, -54.1170



63.9950, 44.8655, 29.8224



57.1900, 22.5843, 83.1484

# Triad

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



63.9950, 44.8655, 29.8224



64.0010, -31.5525, 40.3411



63.6600, 15.4506, -55.8298

# Complementary

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



63.9950, 44.8655, 29.8224



120.0050, -44.8655, -29.8224

# 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.



55.3040, -11.4889, -48.5016



63.9950, 44.8655, 29.8224



61.6660, -30.4013, -2.3381

# Square

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



63.9950, 44.8655, 29.8224



43.6540, -21.5214, 89.7574



49.3080, -24.3088, -43.2431



69.9300, 39.4745, -61.3286



# Rectangle

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



63.9950, 44.8655, 29.8224



56.0330, 3.9277, 93.8101



49.3080, -24.3088, -43.2431



60.7930, 7.0041, -53.3155

# Sweetspot

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



63.9950, 44.8655, 29.8224



166.5450, 16.9863, 11.8000



77.9970, 37.9625, -42.9704



80.5030, 10.5980, 7.4519



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



63.9950, 44.8655, 29.8224



58.7500, 70.1292, 46.7002



80.5820, 34.7161, 65.2646



71.1080, 2.9048, 1.6593



38.9830, 49.8014, 33.3409



3.5750, 4.6465, 3.0037



# Inverse Universe

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



73.1720, 6.3242, 71.7632



73.0490, 9.8358, 112.2130



103.4180, -34.7161, -65.2646



71.7340, 0.1311, 4.6183



49.0420, 6.8813, 79.7702

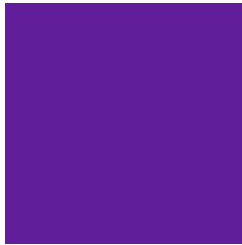


4.5710, 0.7045, 7.3922



# Previews

## White Background



This preview shows how the YUV color 63.9950, 44.8655, 29.8224 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 63.9950, 44.8655, 29.8224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

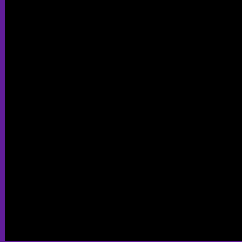
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 63.9950, 44.8655, 29.8224

## Background



This preview shows how black text looks on a background with the YUV color 63.9950, 44.8655, 29.8224.



This preview shows how white text looks on a background with the YUV color 63.9950, 44.8655,



# 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

63.9950, 44.8655, 29.8224

### Protanopia

55.4030, 42.1993, -48.5884

### Deuteranopia

55.5850, 32.7426, -48.7480



## Tritanopia

70.3540, -0.1745, 9.3365

# Trichromacy



## Original Color

63.9950, 44.8655, 29.8224

## Protanomaly

58.5190, 43.1281, -19.7492

## Deuteranomaly

58.9120, 37.0184, -20.0938

## Tritanomaly

68.0510, 16.2439, 16.6183

# Monochromacy



## Original Color

63.9950, 44.8655, 29.8224

## Achromatopsia

64.0000, 0.0000, 0.0000

## Achromatomaly

63.7190, 16.4075, 10.7704

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 63.9950, 44.8655, 29.8224 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, 29, 155)` looks like.

```
.text, #text, p{  
    color:rgb(98, 29, 155)  
}
```

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, 29, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 29, 155) }
```

## Border

The CSS property to change the border of an element to YUV 63.9950, 44.8655, 29.8224 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, 29, 155) }
```



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

```
.border{ border-color:rgb(98, 29, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 29, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 29, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 29, 155);  
box-shadow:4px 4px 4px 4px rgb(98, 29,  
155) }
```

# Background

The CSS property to change the background color of an element to YUV 63.9950, 44.8655, 29.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 29, 155) }
```

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

```
.background{ background-color: rgb(98, 29,  
155) }
```

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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