

# Converting Colors

YUV(103.8830, 17.8057,  
29.0436)

Have a look what the booklet for  
YUV(103.8830, 17.8057, 29.0436)  
contains.

<b>YUV(103.8830, 17.8057, 29.0436)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(103.8830, 17.8057,  
29.0436)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	89508C
RGB	137, 80, 140
RGB Percent	54%, 31%, 55%
CMY	0.4627, 0.6863, 0.4510
CMYK	0.02, 0.43, 0.00, 0.45
HSL	297°, 27%, 43%
HSV	297°, 43%, 55%
XYZ	17.9188, 12.9491, 26.3660
YIQ	103.8830, 14.7120, 30.7440

# Conversions

## Conversions Part 2

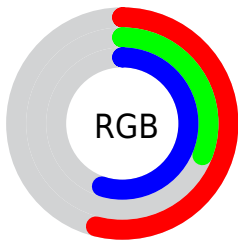
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 80, 140
Decimal	8999052
CIE Lab	42.69, 33.74, -23.48
CIE LCh	43, 41.104, 325.171
Yxy	12.9491, 0.3131, 0.2262
Android (android.graphics.Color)	4287189132 (0xFF89508C)
YUV	103.8830, 17.8057, 29.0436
Hunter-Lab	35.9849, 25.9111, -18.2520

# Details

The YUV color **103.8830, 17.8057, 29.0436** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **116.1170, -17.8057, -29.0436**, and the grayscale version is **104.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.4210, 18.5264, 31.2028**, and **54.4590, 17.5217, 26.7845** is the 20% darker color. If you saturate the color by 10%, you get **95.3660, 22.0046, 35.6360**, and if you desaturate by 10%, it is **112.4000, 13.6068, 22.4512**.

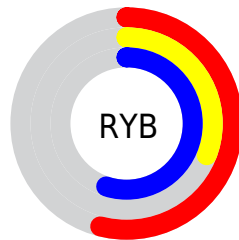
# Distribution



Red (54%)

Green (31%)

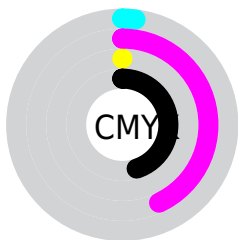
Blue (55%)



Red (54%)

Yellow (31%)

Blue (55%)

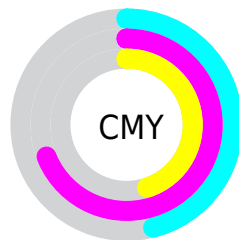


Cyan (2%)

Magenta (43%)

Yellow (0%)

Black (45%)



Cyan (46%)

Magenta (69%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 103.8830, 17.8057, 29.0436 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 103.8830, 17.8057, 29.0436 by changing the saturation by 10% instead.



■ 103.8830, 17.8057,  
29.0436

■ 103.8830, 17.8057,  
29.0436

■ 255.0000, 0.0000,  
0.0000

■ 79.0570, 17.2269,  
28.0140

■ 156.4210, 18.5264,  
31.2028

■ 54.4590, 17.5217,  
26.7845

■ 183.2470, 19.1052,  
32.2324

■ 29.2850, 18.1005,  
27.8141

■ 211.5460, 18.9578,  
32.8472

■ 16.6770, 13.4702,  
19.5773

■ 230.3460, 12.1544,  
21.6216

■ 2.5080, 9.6096,  
-2.1995

■ 246.7820, 4.0515,  
7.2072

■ 0.0000, 0.0000,  
0.0000

103.8830, 17.8057,  
29.0436

103.8830, 17.8057,  
29.0436

95.3660, 22.0046,  
35.6360

112.4000, 13.6068,  
22.4512

87.1480, 26.0560,  
42.8432

120.6180, 9.5553,  
15.2440

78.6310, 30.2549,  
49.4356

129.1350, 5.3564,  
8.6516

70.1140, 34.4538,  
56.0280

137.6520, 1.1576,  
2.0592

61.5970, 38.6527,  
62.6204

146.1690, -3.0413,  
-4.5332


55.7270, 41.5466,  
67.7684

154.3870, -7.0928,  
-11.7404

162.9040,  
-11.2917, -18.3328

171.4210,

-15.4906, -24.9252

 179.6390,  
-19.5420, -32.1324

# Harmonies

## Analogous

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



101.4530, 29.8497, -7.4133



103.8830, 17.8057, 29.0436



101.5300, 3.1897, 50.4012

# Triad

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



103.8830, 17.8057, 29.0436



97.3210, -33.6823, 23.3975



83.3850, 22.4882, -73.1286

# Complementary

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



103.8830, 17.8057, 29.0436



116.1170, -17.8057, -29.0436

# 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.



79.3950, 7.2003, -69.6294



103.8830, 17.8057, 29.0436



94.0080, -29.0909, -2.6380

# Square

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



103.8830, 17.8057, 29.0436



98.9890, -26.6166, 43.8596



87.8110, -13.7108, -35.7912



84.7020, 35.1499, -74.2837



# Rectangle

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



103.8830, 17.8057, 29.0436



100.1040, -7.4463, 55.1598



87.8110, -13.7108, -35.7912



82.0170, 17.2466, -71.9289

# Sweetspot

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



103.8830, 17.8057, 29.0436



167.2000, 6.8034, 11.2256



88.6010, 25.3397, -7.5431



82.8960, 4.4883, 7.1072



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



103.8830, 17.8057, 29.0436



125.5010, 27.3610, 44.2876



101.8160, 6.0067, 33.4874



64.8910, 2.0257, 3.6036



52.8360, 39.5209, 64.1648



2.0650, 1.4470, 2.5740



# Inverse Universe

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



98.2820, -7.5340, 36.5867



116.9640, -11.8143, 56.1596



118.1840, -6.0067, -33.4874



64.0930, -1.0318, 4.3034



40.5650, -16.5475, 81.0655

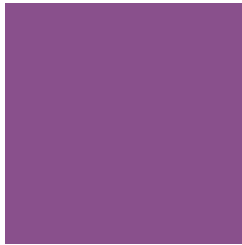


1.4950, -0.7370, 3.0739



# Previews

## White Background



This preview shows how the YUV color 103.8830, 17.8057, 29.0436 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 103.8830, 17.8057, 29.0436 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 103.8830, 17.8057, 29.0436

## Background



This preview shows how black text looks on a background with the YUV color 103.8830, 17.8057, 29.0436.



This preview shows how white text looks on a background with the YUV color 103.8830, 17.8057,



# 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

103.8830, 17.8057, 29.0436

### Protanopia

100.1160, 27.5508, -16.7647

### Deuteranopia

101.4130, 17.0514, -9.1322



## Tritanopia

102.9430, -3.4229, 24.6060

# Trichromacy



## Original Color

103.8830, 17.8057, 29.0436

## Protanomaly

101.3030, 24.0076, -0.2657

## Deuteranomaly

102.5010, 17.0080, 4.8226

## Tritanomaly

103.0170, 4.4286, 26.2951

# Monochromacy



## Original Color

103.8830, 17.8057, 29.0436

## Achromatopsia

104.0000, 0.0000, 0.0000

## Achromatomaly

103.7870, 6.5140, 10.7108

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 103.8830, 17.8057, 29.0436 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(137, 80, 140)` looks like.

```
.text, #text, p{  
    color:rgb(137, 80, 140)  
}
```

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(137, 80, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 80, 140) }
```

## Border

The CSS property to change the border of an element to YUV 103.8830, 17.8057, 29.0436 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(137, 80, 140) }
```



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

```
.border{ border-color:rgb(137, 80, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 80, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 80, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 80, 140);  
box-shadow:4px 4px 4px 4px rgb(137, 80,  
140) }
```

# Background

The CSS property to change the background color of an element to YUV 103.8830, 17.8057, 29.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 80, 140) }
```

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

```
.background{ background-color: rgb(137, 80,  
140) }
```

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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