

# Converting Colors

YUV(101.7820, 17.8555,  
59.8272)

Have a look what the booklet for  
YUV(101.7820, 17.8555, 59.8272)  
contains.

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# Color

**YUV(101.7820, 17.8555,  
59.8272)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA3C8A
RGB	170, 60, 138
RGB Percent	67%, 24%, 54%
CMY	0.3333, 0.7647, 0.4588
CMYK	0.00, 0.65, 0.19, 0.33
HSL	317°, 48%, 45%
HSV	317°, 65%, 67%
XYZ	22.7809, 13.6127, 25.4716
YIQ	101.7820, 40.5220, 47.5780

# Conversions

## Conversions Part 2

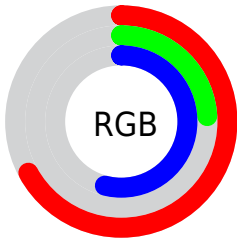
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 60, 138
Decimal	11156618
CIE <sub>Lab</sub>	43.67, 53.38, -20.35
CIE <sub>LCh</sub>	44, 57.124, 339.130
Yxy	13.6127, 0.3682, 0.2200
Android (android.graphics.Color)	4289346698 (0xFFAA3C8A)
YUV	101.7820, 17.8555, 59.8272
Hunter-Lab	36.8955, 45.6467, -15.1054

# Details

The YUV color **101.7820, 17.8555, 59.8272** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **128.2180, -17.8555, -59.8272**, and the grayscale version is **102.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.9780, 17.2658, 62.2863**, and **44.1180, 21.6338, 61.2865** is the 20% darker color. If you saturate the color by 10%, you get **91.2330, 20.5911, 69.0787**, and if you desaturate by 10%, it is **112.3310, 15.1198, 50.5757**.

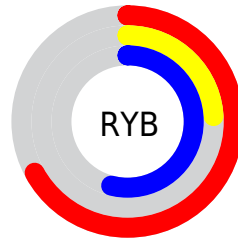
# Distribution



Red (67%)

Green (24%)

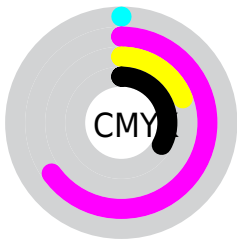
Blue (54%)



Red (67%)

Yellow (24%)

Blue (54%)

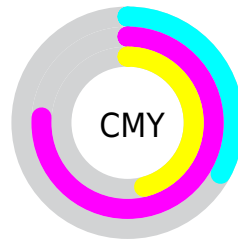


Cyan (0%)

Magenta (65%)

Yellow (19%)

Black (33%)



Cyan (33%)

Magenta (76%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 101.7820, 17.8555, 59.8272 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 101.7820, 17.8555, 59.8272 by changing the saturation by 10% instead.



101.7820, 17.8555,  
59.8272

101.7820, 17.8555,  
59.8272

255.0000, 0.0000,  
0.0000

72.8360, 19.3079,  
60.6568

156.9780, 17.2658,  
62.2863

44.1180, 21.6338,  
61.2865

184.6790, 17.4133,  
61.6715

33.3090, 15.1307,  
47.0870

204.3070, 21.5406,  
44.4578

23.3260, 9.2063,  
33.9171

221.5410, 16.4953,  
29.3435

13.1580, 3.8661,  
20.0324

238.5640, 8.1029,  
14.4144

0.0000, 0.0000,  
0.0000

■ 101.7820, 17.8555,  
59.8272

■ 101.7820, 17.8555,  
59.8272

■ 91.2330, 20.5911,  
69.0787

■ 112.3310, 15.1198,  
50.5757

■ 80.6840, 23.3268,  
78.3301

■ 122.8800, 12.3842,  
41.3242

■ 70.1350, 26.0624,  
87.5816

■ 133.4290, 9.6485,  
32.0728

■ 64.6240, 27.7934,  
92.4148

■ 143.9780, 6.9128,  
22.8213


■ 154.5270, 4.1772,  
13.5698

■ 165.0760, 1.4415,  
4.3183

■ 175.6250, -1.2941,  
-4.9331

■ 186.1740, -4.0298,

-14.1846

 196.7230, -6.7654,  
-23.4361

# Harmonies

## Analogous

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



105.3770, 35.3101, 14.5784



101.7820, 17.8555, 59.8272



96.2240, -2.5754, 79.6106

# Triad

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



101.7820, 17.8555, 59.8272



95.4110, -47.0376, 13.6716



90.6690, 35.1662, -79.5167

# Complementary

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



101.7820, 17.8555, 59.8272



128.2180, -17.8555, -59.8272

# 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.



86.7130, 14.9315, -76.0473



101.7820, 17.8555, 59.8272



88.2580, -35.1302, -25.6593

# Square

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



101.7820, 17.8555, 59.8272



96.8050, -47.7249, 47.5290



79.2520, -6.0402, -69.5040



90.5670, 50.0065, -79.4273



# Rectangle

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



101.7820, 17.8555, 59.8272



96.1900, -17.8417, 76.1324



79.2520, -6.0402, -69.5040



89.6600, 28.7616, -78.6318

# Sweetspot

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



101.7820, 17.8555, 59.8272



195.9780, 6.9128, 22.8213



81.8090, 43.4782, 8.0605



95.9400, 4.4666, 14.0846



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



101.7820, 17.8555, 59.8272



114.7490, 28.2247, 94.0591



95.6260, -5.7316, 65.2260



79.0760, 1.4415, 4.3183



56.2220, 24.0476, 80.4893



7.5760, 3.1670, 10.8958



# Inverse Universe

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



101.7820, 17.8555, 59.8272



114.7490, 28.2247, 94.0591



134.3740, 5.7316, -65.2260



79.0760, 1.4415, 4.3183



56.2220, 24.0476, 80.4893



7.5760, 3.1670, 10.8958



# Previews

## White Background



This preview shows how the YUV color 101.7820, 17.8555, 59.8272 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 101.7820, 17.8555, 59.8272 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

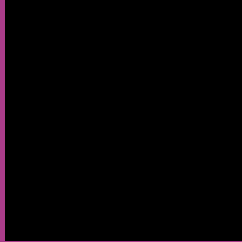
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 101.7820, 17.8555, 59.8272

## Background



This preview shows how black text looks on a background with the YUV color 101.7820, 17.8555, 59.8272.



This preview shows how white text looks on a background with the YUV color 101.7820, 17.8555,



# 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

101.7820, 17.8555, 59.8272

### Protanopia

102.0920, 33.9716, -22.8827

### Deuteranopia

104.8220, 13.3988, -4.2289



## Tritanopia

102.4800, -11.0826, 54.8300

# Trichromacy



## Original Color

101.7820, 17.8555, 59.8272

## Protanomaly

102.0850, 28.0591, 6.9415

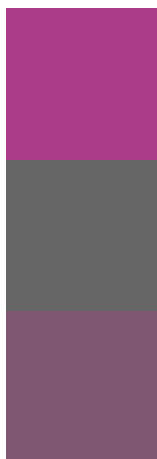
## Deuteranomaly

103.7200, 14.9280, 18.6626

## Tritanomaly

102.5370, -0.7577, 56.5341

# Monochromacy



## Original Color

101.7820, 17.8555, 59.8272

## Achromatopsia

102.0000, 0.0000, 0.0000

## Achromatomaly

102.1520, 6.3341, 21.7917

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 101.7820, 17.8555, 59.8272 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(170, 60, 138)` looks like.

```
.text, #text, p{  
    color:rgb(170, 60, 138)  
}
```

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(170, 60, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 60, 138) }
```

## Border

The CSS property to change the border of an element to YUV 101.7820, 17.8555, 59.8272 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(170, 60, 138) }
```



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

```
.border{ border-color:rgb(170, 60, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 60, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 60, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 60, 138);  
box-shadow:4px 4px 4px 4px rgb(170, 60,  
138) }
```

# Background

The CSS property to change the background color of an element to YUV 101.7820, 17.8555, 59.8272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 60, 138) }
```

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

```
.background{ background-color: rgb(170, 60,  
138) }
```

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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