

# Converting Colors

YUV(159.8170, 17.8382,  
18.5775)

Have a look what the booklet for  
YUV(159.8170, 17.8382, 18.5775)  
contains.

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# Color

**YUV(159.8170, 17.8382,  
18.5775)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B58EC4
RGB	181, 142, 196
RGB Percent	71%, 56%, 77%
CMY	0.2902, 0.4431, 0.2314
CMYK	0.08, 0.28, 0.00, 0.23
HSL	283°, 31%, 66%
HSV	283°, 28%, 77%
XYZ	38.6929, 33.1553, 56.5848
YIQ	159.8170, 5.9100, 25.0620

# Conversions

## Conversions Part 2

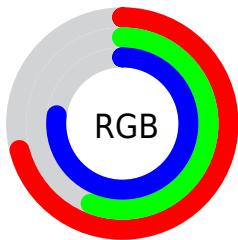
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 142, 196
Decimal	11898564
CIE <sub>Lab</sub>	64.29, 24.51, -22.37
CIE <sub>LCh</sub>	64, 33.181, 317.606
Yxy	33.1553, 0.3013, 0.2582
Android (android.graphics.Color)	4290088644 (0xFFB58EC4)
YUV	159.8170, 17.8382, 18.5775
Hunter-Lab	57.5806, 19.1818, -17.9582

# Details

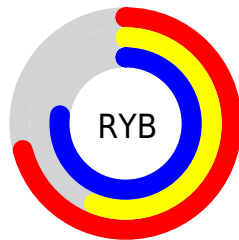
The YUV color **159.8170, 17.8382, 18.5775** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **178.1830, -17.8382, -18.5775**, and the grayscale version is **160.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **214.7570, 18.8538, 19.5071**, and **107.5780, 16.9700, 17.0331** is the 20% darker color. If you saturate the color by 10%, you get **146.5820, 24.3631, 25.7996**, and if you desaturate by 10%, it is **173.0520, 11.3134, 11.3554**.

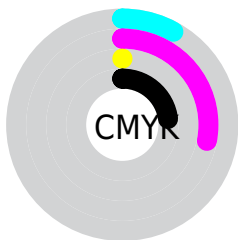
# Distribution



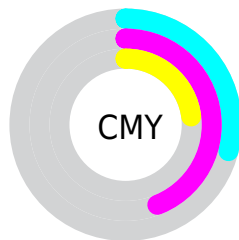
- Red (71%)
- Green (56%)
- Blue (77%)



- Red (71%)
- Yellow (56%)
- Blue (77%)



- Cyan (8%)
- Magenta (28%)
- Yellow (0%)
- Black (23%)




- Cyan (29%)
- Magenta (44%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 159.8170, 17.8382, 18.5775 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 159.8170, 17.8382, 18.5775 by changing the saturation by 10% instead.





 159.8170, 17.8382,  
18.5775


 159.8170, 17.8382,  
18.5775


255.0000, 0.0000,  
0.0000


 133.4040, 17.5488,  
18.0627


 214.7570, 18.8538,  
19.5071


 107.5780, 16.9700,  
17.0331


 236.8030, 8.9711,  
15.9588

 83.0510, 16.2439,  
16.6183

 253.8260, 0.5788,  
1.0296

 59.3390, 16.1019,  
15.4887

 36.8120, 15.3757,  
15.0739

 14.6980, 14.9389,  
15.1739

 3.3230, 10.1938,

-2.9143

■ 0.0000, 0.0000,  
0.0000

■ 159.8170, 17.8382,  
18.5775

■ 159.8170, 17.8382,  
18.5775

■ 146.5820, 24.3631,  
25.7996

■ 173.0520, 11.3134,  
11.3554

■ 133.6350, 30.7459,  
31.8921

■ 185.9990, 4.9305,  
5.2629

■ 120.4000, 37.2708,  
39.1142

■ 199.2340, -1.5944,  
-1.9592

■ 107.4530, 43.6537,  
45.2067

■ 212.1810, -7.9772,  
-8.0517

■ 94.2180, 50.1785,  
52.4288

■ 225.4160,  
-14.5021, -15.2738

80.6840, 56.8508,  
59.0361

236.0150,  
-19.7274, -19.3072

68.0360, 63.0863,  
65.7434

237.5100,  
-20.4644, -16.2333

64.8020, 64.6806,  
67.7026

239.3040,  
-21.3489, -12.5446

240.7990,  
-22.0859, -9.4707

# Harmonies

## Analogous

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



156.4370, 27.3926, -12.6612



159.8170, 17.8382, 18.5775



159.5180, 4.6746, 40.7647

# Triad

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



159.8170, 17.8382, 18.5775



155.1350, -28.1676, 27.9456



136.2340, 18.1256, -73.8732

# Complementary

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



159.8170, 17.8382, 18.5775



178.1830, -17.8382, -18.5775

# 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.



142.8770, -0.4324, -48.1271



159.8170, 17.8382, 18.5775



152.4480, -26.3499, 4.8691

# Square

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



159.8170, 17.8382, 18.5775



156.9550, -21.6698, 43.8895



148.5140, -16.5224, -20.6218



137.1380, 30.4980, -75.5430



# Rectangle

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



159.8170, 17.8382, 18.5775



158.7440, -4.8038, 47.5825



148.5140, -16.5224, -20.6218



138.3830, 12.1362, -66.1109

# Sweetspot

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



159.8170, 17.8382, 18.5775



241.4660, 6.6723, 6.6073



156.9610, 19.2462, -13.1208



119.1730, 4.3517, 4.2333



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



159.8170, 17.8382, 18.5775



198.8150, 27.6992, 29.1032



162.9340, 10.3855, 28.9989



90.2330, 3.3361, 3.3037



53.0380, 53.2253, 55.2177



10.9380, 10.8766, 11.4554



# Inverse Universe

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



159.8560, -1.4080, 31.6983



198.7380, -2.3358, 49.3418



175.0660, -10.3855, -28.9989



90.3320, -0.1637, 5.8478



53.2690, -4.0766, 94.4801



10.8930, -0.9332, 19.3878



# Previews

## White Background



This preview shows how the YUV color 159.8170, 17.8382, 18.5775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

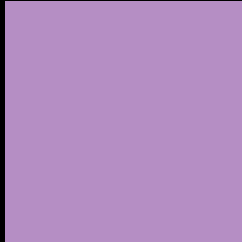
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 159.8170, 17.8382, 18.5775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

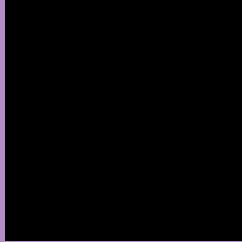
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 159.8170, 17.8382, 18.5775

## Background



This preview shows how black text looks on a background with the YUV color 159.8170, 17.8382, 18.5775.



This preview shows how white text looks on a background with the YUV color 159.8170, 17.8382, 18.5775.



# 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

159.8170, 17.8382, 18.5775

### Protanopia

156.2260, 24.0456, -12.4762

### Deuteranopia

157.3750, 18.0561, -4.7139



## Tritanopia

158.3270, 0.8248, 15.4992

# Trichromacy



## Original Color

159.8170, 17.8382, 18.5775

## Protanomaly

157.7220, 21.8291, -1.5102

## Deuteranomaly

158.4300, 18.0290, 4.0079

## Tritanomaly

158.6460, 7.0765, 16.9735

# Monochromacy



## Original Color

159.8170, 17.8382, 18.5775

## Achromatopsia

160.0000, 0.0000, 0.0000

## Achromatomaly

159.7650, 6.5249, 7.2221

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 159.8170, 17.8382, 18.5775 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(181, 142, 196)` looks like.

```
.text, #text, p{  
    color:rgb(181, 142, 196)  
}
```

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(181, 142, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 142, 196) }
```

## Border

The CSS property to change the border of an element to YUV 159.8170, 17.8382, 18.5775 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(181, 142, 196) }
```



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

```
.border{ border-color:rgb(181, 142, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 142, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 142, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 142, 196);  
box-shadow:4px 4px 4px 4px rgb(181, 142,  
196) }
```

# Background

The CSS property to change the background color of an element to YUV 159.8170, 17.8382, 18.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 142, 196) }
```

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

```
.background{ background-color: rgb(181,  
142, 196) }
```

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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