

# Converting Colors

YUV(123.8150, 30.1642,  
-108.5858)

Have a look what the booklet for  
YUV(123.8150, 30.1642, -108.5858)  
contains.

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# Color

**YUV(123.8150, 30.1642,  
-108.5858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AFB9
RGB	0, 175, 185
RGB Percent	0%, 69%, 73%
CMY	1.0000, 0.3137, 0.2745
CMYK	1.00, 0.05, 0.00, 0.27
HSL	183°, 100%, 36%
HSV	183°, 100%, 73%
XYZ	24.0869, 34.1627, 51.2235
YIQ	123.8150, -107.5100, -33.9900

# Conversions

## Conversions Part 2

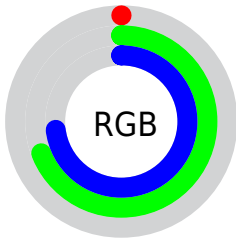
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 90, 185
Decimal	44985
CIELab	65.09, -33.12, -15.74
CIELCh	65, 36.670, 205.412
Yxy	34.1627, 0.2200, 0.3121
Android (android.graphics.Color)	4278235065 (0xFF00AFB9)
YUV	123.8150, 30.1642, -108.5858
Hunter-Lab	58.4489, -28.7253, -11.0464

# Details

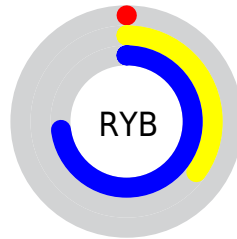
The YUV color **123.8150, 30.1642, -108.5858** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **61.1850, -30.1642, 108.5858**, and the grayscale version is **124.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **192.6720, 23.8257, -82.1503**, and **86.6620, 22.3516, -76.0026** is the 20% darker color. If you saturate the color by 10%, you get **123.8150, 30.1642, -108.5858**, and if you desaturate by 10%, it is **129.7840, 27.2215, -98.0346**.

# Distribution



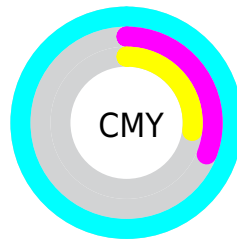
- Red (0%)
- Green (69%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (31%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 123.8150, 30.1642, -108.5858 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 123.8150, 30.1642, -108.5858 by changing the saturation by 10% instead.



123.8150, 30.1642,  
-108.5858

123.8150, 30.1642,  
-108.5858

255.0000, 0.0000,  
0.0000

104.8880, 26.1842,  
-91.9868

192.6720, 23.8257,  
-82.1503

86.6620, 22.3516,  
-76.0026

217.9240, 18.2785,  
-76.2323

69.1370, 18.6665,  
-60.6331

227.1930, 13.7089,  
-57.1743

51.7260, 15.4181,  
-45.3637

236.4620, 9.1392,  
-38.1162

35.6030, 12.0277,  
-31.2238

245.4320, 4.7170,  
-19.6729

20.7680, 8.4954,  
-18.2135

254.7010, 0.1474,

2.4110, 6.6994,

-0.6148

-2.1144

■ 0.0000, 0.0000,  
0.0000

■ 123.8150, 30.1642,  
-108.5858

■ 129.7840, 27.2215,  
-98.0346

■ 136.0520, 24.1314,  
-86.8686

■ 142.3200, 21.0412,  
-75.7026

■ 148.2890, 18.0985,  
-65.1515

■ 154.5570, 15.0084,  
-53.9855

■ 160.5260, 12.0657,  
-43.4343

■ 166.7940, 8.9756,  
-32.2683

■ 172.7630, 6.0328,  
-21.7172

■ 179.0310, 2.9427,  
-10.5512

# Harmonies

## Analogous

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



140.0860, 5.8736, -64.0964



123.8150, 30.1642, -108.5858



134.8960, 37.5193, -87.6088

# Triad

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



123.8150, 30.1642, -108.5858



162.8290, 16.3533, 28.2140



155.9020, -31.5037, 24.6419

# Complementary

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



123.8150, 30.1642, -108.5858



61.1850, -30.1642, 108.5858

# 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.



158.4020, -26.3272, 44.3744



123.8150, 30.1642, -108.5858



161.6500, 1.1585, 48.5419

# Square

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



123.8150, 30.1642, -108.5858



159.4210, 28.3864, -4.7542



159.6710, -14.1348, 53.7855



152.4750, -27.3492, -1.2936



# Rectangle

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



123.8150, 30.1642, -108.5858



146.5560, 36.7009, -58.3696



159.6710, -14.1348, 53.7855



156.5870, -30.3624, 31.9342

# Sweetspot

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



123.8150, 30.1642, -108.5858



216.1240, 11.7709, -42.2047



109.6210, -49.6062, -96.1376



105.9690, 6.9173, -25.4058



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000



# Same Dimension

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



123.8150, 30.1642, -108.5858



160.6090, 39.1398, -140.8541



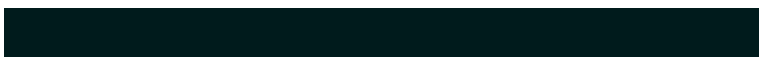
69.8110, 56.7882, -61.2242



88.7220, 1.6161, -5.0182



104.0730, 25.6000, -91.2720



19.0410, 4.4168, -16.6990



# Inverse Universe

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



75.2650, 49.1694, 96.2376



97.6380, 63.7755, 124.8515



115.1890, -56.7882, 61.2242



86.6030, 2.1677, 4.7332



63.4020, 41.2138, 81.2084



11.4500, 7.6662, 14.5144



# Previews

## White Background



This preview shows how the YUV color 123.8150, 30.1642, -108.5858 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 123.8150, 30.1642, -108.5858 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

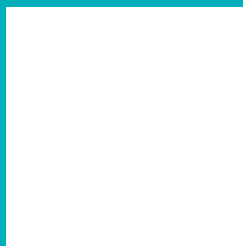
Any Text WCAG AAA ✓ Pass

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

# YUV 123.8150, 30.1642, -108.5858 Background



This preview shows how black text looks on a background with the YUV color 123.8150, 30.1642, -108.5858.



This preview shows how white text looks on a background with the YUV color 123.8150, 30.1642, -108.5858.



# 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



### Protanopia

157.6390, 7.5730, -2.3144

### Deuteranopia

158.7020, 15.4299, -2.3697

### Tritanopia

129.3650, 29.4001, -96.7901

# Trichromacy



## Protanomaly

145.4600, 15.5492, -40.7454

## Deuteranomaly

146.1270, 20.6434, -41.3304

## Tritanomaly

127.1580, 29.9951, -100.9936

# Monochromacy



## Achromatopsia

124.0000, 0.0000, 0.0000

## Achromatomaly

124.2060, 10.7444, -39.6457

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 123.8150, 30.1642, -108.5858 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(0, 175, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 185)  
}
```

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(0, 175, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 185) }
```

## Border

The CSS property to change the border of an element to YUV 123.8150, 30.1642, -108.5858 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(0, 175, 185) }
```

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

```
.border{ border-color:rgb(0, 175, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
185) }
```



# Background

The CSS property to change the background color of an element to YUV 123.8150, 30.1642, -108.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 185) }
```

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

```
.background{ background-color: rgb(0, 175,  
185) }
```

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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