

# Converting Colors

YUV(170.9910, 23.1754,  
-106.9861)

Have a look what the booklet for  
YUV(170.9910, 23.1754, -106.9861)  
contains.

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# Color

**YUV(170.9910, 23.1754,  
-106.9861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31E0DA
RGB	49, 224, 218
RGB Percent	19%, 88%, 85%
CMY	0.8078, 0.1216, 0.1451
CMYK	0.78, 0.00, 0.03, 0.12
HSL	178°, 74%, 54%
HSV	178°, 78%, 88%
XYZ	40.5772, 59.0262, 75.5842
YIQ	170.9910, -102.3740, -38.9660

# Conversions

## Conversions Part 2

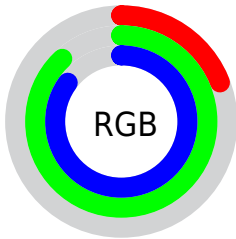
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 138, 224
Decimal	3268826
CIELab	81.31, -42.93, -9.32
CIELCh	81, 43.934, 192.245
Yxy	59.0262, 0.2316, 0.3369
Android (android.graphics.Color)	4281458906 (0xFF31E0DA)
YUV	170.9910, 23.1754, -106.9861
Hunter-Lab	76.8285, -40.1747, -4.5498

# Details

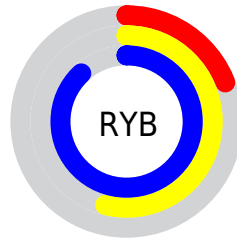
The YUV color **170.9910, 23.1754, -106.9861** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **102.0090, -23.1754, 106.9861**, and the grayscale version is **171.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **216.4290, 19.0155, -79.3062**, and **117.1980, 22.5804, -102.7826** is the 20% darker color. If you saturate the color by 10%, you get **164.2990, 25.9816, -120.4112**, and if you desaturate by 10%, it is **177.6830, 20.3693, -93.5610**.

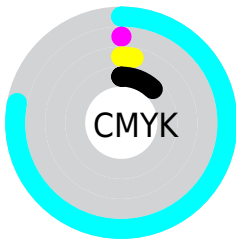
# Distribution



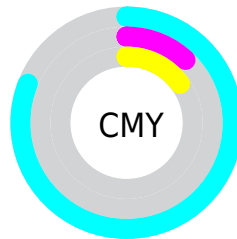
- Red (19%)
- Green (88%)
- Blue (85%)



- Red (19%)
- Yellow (54%)
- Blue (88%)



- Cyan (78%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)



- Cyan (81%)
- Magenta (12%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 170.9910, 23.1754, -106.9861 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 170.9910, 23.1754, -106.9861 by changing the saturation by 10% instead.



170.9910, 23.1754,  
-106.9861

170.9910, 23.1754,  
-106.9861

255.0000, 0.0000,  
0.0000

136.7120, 26.2710,  
-119.8964

216.4290, 19.0155,  
-79.3062

117.1980, 22.5804,  
-102.7826

225.9970, 14.2985,  
-59.6334

98.3850, 19.0372,  
-86.2836

235.5650, 9.5815,  
-39.9605

80.2730, 15.6414,  
-70.3994

244.8340, 5.0118,  
-20.9024

62.1610, 12.2456,  
-54.5152

254.4020, 0.2948,  
-1.2296

45.4510, 9.1447,  
-39.8605

30.0290, 5.9017,

-26.3354

■ 8.3780, 6.7156,  
-7.3475

■ 0.0000, 0.0000,  
0.0000

■ 170.9910, 23.1754,  
-106.9861

■ 170.9910, 23.1754,  
-106.9861

■ 164.2990, 25.9816,  
-120.4112

■ 177.6830, 20.3693,  
-93.5610

■ 157.3080, 28.9352,  
-134.4511

■ 184.6740, 17.4157,  
-79.5211

■ 156.1120, 29.5248,  
-136.9102

■ 191.2520, 14.1728,  
-65.9960

■ 198.2430, 11.2192,  
-51.9561

■ 204.9350, 8.4130,  
-38.5310

■ 211.6270, 5.6069,  
-25.1059

■ 218.5040, 2.2165,  
-10.9660

■ 225.1960, -0.5896,  
2.4591

■ 232.1870, -3.5432,  
16.4990

# Harmonies

## Analogous

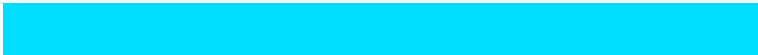
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



184.4640, -4.1728, -61.7969



170.9910, 23.1754, -106.9861



158.7970, 47.4281, -139.2650

# Triad

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



170.9910, 23.1754, -106.9861



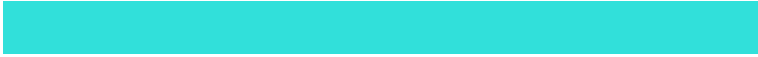
205.8370, 24.2374, 19.4370



201.0030, -37.9625, 42.9704

# Complementary

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



170.9910, 23.1754, -106.9861



102.0090, -23.1754, 106.9861

# 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.



197.1300, -23.7281, 50.7520



170.9910, 23.1754, -106.9861



203.7880, 11.9365, 44.9129

# Square

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



170.9910, 23.1754, -106.9861



197.3000, 28.4461, -23.9421



197.2390, -5.5408, 50.6564



197.4030, -38.1597, 12.8016



# Rectangle

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



170.9910, 23.1754, -106.9861



176.1940, 38.8514, -94.8861



197.2390, -5.5408, 50.6564



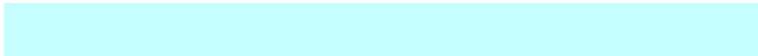
200.2470, -34.6318, 48.0184

# Sweetspot

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



170.9910, 23.1754, -106.9861



237.1310, 7.8234, -36.0719



154.4160, -51.9701, -84.5568



117.0080, 4.4331, -21.9320



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.



170.9910, 23.1754, -106.9861



182.3280, 31.8833, -146.7467



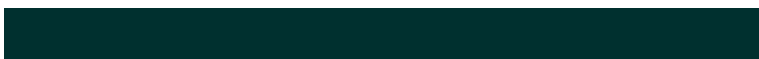
125.3020, 48.6581, -66.9169



108.7110, 1.6215, -6.7625



122.6920, 23.3228, -107.6009



33.5340, 6.6387, -29.4093



# Inverse Universe

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



102.0090, -23.1754, 106.9861



87.7860, -31.4465, 146.6467



147.6980, -48.6581, 66.9169



104.2890, -1.6215, 6.7625



53.3080, -23.3228, 107.6009

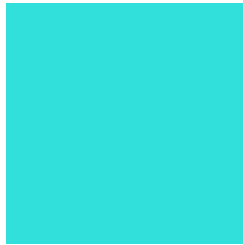


14.5800, -6.2019, 29.3093



# Previews

## White Background



This preview shows how the YUV color 170.9910, 23.1754, -106.9861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

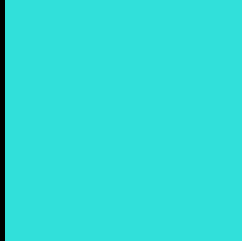
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 170.9910, 23.1754, -106.9861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

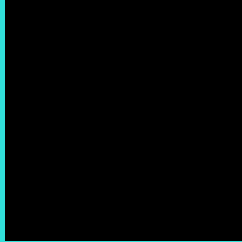
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

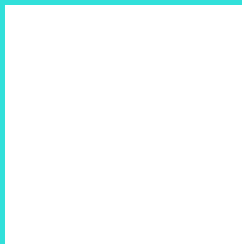
Any Text WCAG AAA ✓ Pass

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

# YUV 170.9910, 23.1754, -106.9861 Background



This preview shows how black text looks on a background with the YUV color 170.9910, 23.1754, -106.9861.



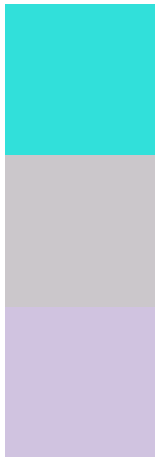
This preview shows how white text looks on a background with the YUV color 170.9910, 23.1754, -106.9861.



# 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

170.9910, 23.1754, -106.9861

### Protanopia

200.6520, 1.1576, 2.0592

### Deuteranopia

202.1930, 10.7509, 5.0927



## Tritanopia

176.4080, 30.8579, -97.7048

# Trichromacy



## Original Color

170.9910, 23.1754, -106.9861



## Protanomaly

189.7610, 8.9918, -37.5014



## Deuteranomaly

191.0800, 15.2436, -36.0272



## Tritanomaly

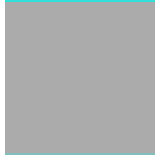
174.2890, 27.9585, -101.1085

# Monochromacy



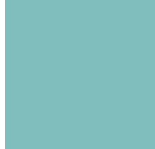
## Original Color

170.9910, 23.1754, -106.9861



## Achromatopsia

171.0000, 0.0000, 0.0000



## Achromatomaly

170.9350, 8.4130, -38.5310

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 170.9910, 23.1754, -106.9861 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(49, 224, 218)` looks like.

```
.text, #text, p{  
    color:rgb(49, 224, 218)  
}
```

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(49, 224, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 224, 218) }
```

## Border

The CSS property to change the border of an element to YUV 170.9910, 23.1754, -106.9861 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(49, 224, 218) }
```



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

```
.border{ border-color:rgb(49, 224, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 224, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 224, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 224, 218);  
box-shadow:4px 4px 4px 4px rgb(49, 224,  
218) }
```

# Background

The CSS property to change the background color of an element to YUV 170.9910, 23.1754, -106.9861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 224, 218) }
```

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

```
.background{ background-color: rgb(49, 224,  
218) }
```

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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