

# Converting Colors

YUV(166.2930, 4.7856,  
-135.3150)

Have a look what the booklet for  
YUV(166.2930, 4.7856, -135.3150)  
contains.

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# Color

**YUV(166.2930, 4.7856,  
-135.3150)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 0CF3B0                        |
| RGB         | 12, 243, 176                  |
| RGB Percent | 5%, 95%, 69%                  |
| CMY         | 0.9529, 0.0471, 0.3098        |
| CMYK        | 0.95, 0.00, 0.28, 0.05        |
| HSL         | 163°, 91%, 50%                |
| HSV         | 163°, 95%, 95%                |
| XYZ         | 40.0387, 67.3139, 51.9569     |
| YIQ         | 166.2930, -116.1690, -69.8090 |

# Conversions

## Conversions Part 2

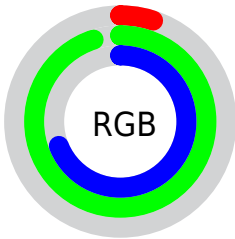
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 12, 147, 243                   |
| Decimal                             | 848816                         |
| CIE Lab                             | 85.66, -63.38, 18.99           |
| CIE LCh                             | 86, 66.168, 163.320            |
| Yxy                                 | 67.3139, 0.2513,<br>0.4225     |
| Android<br>(android.graphics.Color) | 4279038896<br>(0xFF0CF3B0)     |
| YUV                                 | 166.2930, 4.7856,<br>-135.3150 |
| Hunter-Lab                          | 82.0451, -56.4694,<br>19.8848  |

# Details

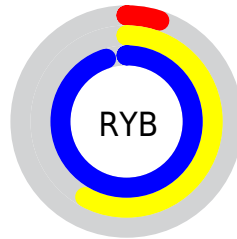
The YUV color **166.2930, 4.7856, -135.3150** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **88.7070, -4.7856, 135.3150**, and the grayscale version is **166.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **210.2190, 10.7380, -84.3841**, and **122.6170, 0.1888, -107.5351** is the 20% darker color. If you saturate the color by 10%, you get **162.3630, 5.2440, -142.3924**, and if you desaturate by 10%, it is **174.2670, 4.3054, -121.2602**.

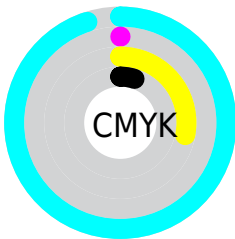
# Distribution



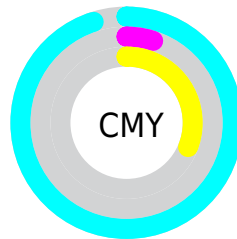
- Red (5%)
- Green (95%)
- Blue (69%)



- Red (5%)
- Yellow (58%)
- Blue (95%)



- Cyan (95%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)



- Cyan (95%)
- Magenta (5%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 166.2930, 4.7856, -135.3150 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 166.2930, 4.7856, -135.3150 by changing the saturation by 10% instead.





 166.2930, 4.7856,  
-135.3150


 166.2930, 4.7856,  
-135.3150

255.0000, 0.0000,  
0.0000


 142.6040, 3.1532,  
-125.0637


 210.2190, 10.7380,  
-84.3841

 122.6170, 0.1888,  
-107.5351


 223.3060, 15.6251,  
-65.1664


 103.9180, -2.9176,  
-91.1361


 232.8740, 10.9081,  
-45.4935

 84.7460, -5.2978,  
-74.3222

 242.4420, 6.1911,  
-25.8206

 66.8620, -7.8200,  
-58.6380

 252.0100, 1.4741,  
-6.1478

 49.0920, -9.9054,  
-43.0537

 32.3820, -13.0063,

-28.3990

■ 16.4360, -8.1029,  
-14.4144

■ 0.0000, 0.0000,  
0.0000

■ 166.2930, 4.7856,  
-135.3150

■ 166.2930, 4.7856,  
-135.3150

■ 162.3630, 5.2440,  
-142.3924

■ 174.2670, 4.3054,  
-121.2602

■ 182.5400, 3.6778,  
-106.5906

■ 190.5140, 3.1976,  
-92.5358

■ 198.4880, 2.7174,  
-78.4810

■ 206.4620, 2.2372,  
-64.4262

■ 214.7350, 1.6096,  
-49.7566

■ 222.7090, 1.1295,  
-35.7018

■ 230.6830, 0.6493,  
-21.6470

■ 238.9560, 0.0217,  
-6.9774

# Harmonies

## Analogous

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



197.2580, -38.5812, -38.8143



166.2930, 4.7856, -135.3150



171.2890, 34.3675, -150.2205

# Triad

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



166.2930, 4.7856, -135.3150



199.2720, 27.4739, -38.8265



193.9040, -31.0117, 53.5812

# Complementary

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



166.2930, 4.7856, -135.3150



88.7070, -4.7856, 135.3150

# 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.



191.7110, -1.3365, 55.5045



166.2930, 4.7856, -135.3150



214.1980, 20.1154, 34.9064

# Square

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



166.2930, 4.7856, -135.3150



164.6670, 44.5342, -144.4130



201.8280, 24.7348, 46.6318



202.8450, -55.1396, 45.7399



# Rectangle

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



166.2930, 4.7856, -135.3150



172.2980, 40.7721, -151.1053



201.8280, 24.7348, 46.6318



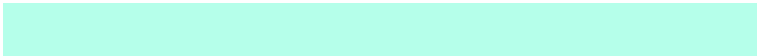
191.8470, -21.1236, 55.3852

# Sweetspot

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



166.2930, 4.7856, -135.3150



230.4800, 1.7354, -43.3940



168.2280, -77.0204, -76.4990



113.0630, 0.9549, -26.3653



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.



166.2930, 4.7856, -135.3150



170.3190, 5.2657, -149.3698



146.9290, 47.3630, -118.3327



118.0700, 0.4585, -7.0774



124.2300, 3.8306, -108.9497



39.4210, 1.2714, -34.5722



# Inverse Universe

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



88.7070, -4.7856, 135.3150



84.6810, -5.2657, 149.3698



108.0710, -47.3630, 118.3327



114.0440, -0.0217, 6.9774



61.7700, -3.8306, 108.9497

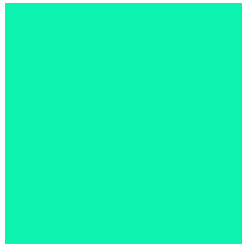


19.5790, -1.2714, 34.5722



# Previews

## White Background



This preview shows how the YUV color 166.2930, 4.7856, -135.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

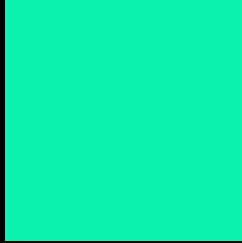
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 166.2930, 4.7856, -135.3150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

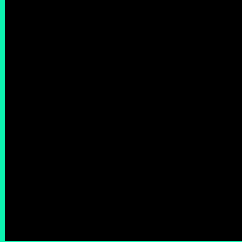
Any Text WCAG AA ✓ Pass

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 166.2930, 4.7856, -135.3150 Background



This preview shows how black text looks on a background with the YUV color 166.2930, 4.7856, -135.3150.



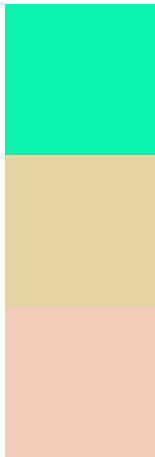
This preview shows how white text looks on a background with the YUV color 166.2930, 4.7856, -135.3150.

-135.3150.

# 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

166.2930, 4.7856, -135.3150

### Protanopia

210.6710, -24.4878, 14.3205

### Deuteranopia

213.1960, -13.9006, 25.2611



## Tritanopia

189.4190, 30.8524, -95.9605

# Trichromacy



## Original Color

166.2930, 4.7856, -135.3150



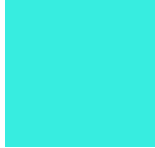
## Protanomaly

194.3760, -13.9894, -39.7948



## Deuteranomaly

195.9560, -6.8803, -33.2874



## Tritanomaly

181.1000, 21.1497, -110.5897

# Monochromacy



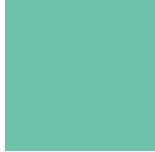
## Original Color

166.2930, 4.7856, -135.3150



## Achromatopsia

166.0000, 0.0000, 0.0000



## Achromatomaly

166.1480, 1.8990, -49.2418

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 166.2930, 4.7856, -135.3150 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(12, 243, 176)` looks like.

```
.text, #text, p{  
    color:rgb(12, 243, 176)  
}
```

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(12, 243, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 243, 176) }
```

## Border

The CSS property to change the border of an element to YUV 166.2930, 4.7856, -135.3150 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(12, 243, 176) }
```



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

```
.border{ border-color:rgb(12, 243, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 243, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 243, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 243, 176);  
box-shadow:4px 4px 4px 4px rgb(12, 243,  
176) }
```

# Background

The CSS property to change the background color of an element to YUV 166.2930, 4.7856, -135.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 243, 176) }
```

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

```
.background{ background-color: rgb(12, 243,  
176) }
```

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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