

# Converting Colors

YUV(121.3820, 43.6887,  
-106.4520)

Have a look what the booklet for  
YUV(121.3820, 43.6887, -106.4520)  
contains.

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# Color

**YUV(121.3820, 43.6887,  
-106.4520)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00A6D2                        |
| RGB         | 0, 166, 210                   |
| RGB Percent | 0%, 65%, 82%                  |
| CMY         | 1.0000, 0.3490, 0.1765        |
| CMYK        | 1.00, 0.21, 0.00, 0.18        |
| HSL         | 193°, 100%, 41%               |
| HSV         | 193°, 100%, 82%               |
| XYZ         | 25.2691, 31.9256, 65.8032     |
| YIQ         | 121.3820, -113.0600, -21.5080 |

# Conversions

## Conversions Part 2

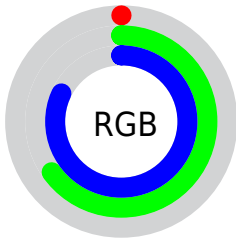
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 93, 210                      |
| Decimal                             | 42706                           |
| CIELab                              | 63.28, -20.23, -32.40           |
| CIELCh                              | 63, 38.195, 238.027             |
| Yxy                                 | 31.9256, 0.2054,<br>0.2596      |
| Android<br>(android.graphics.Color) | 4278232786<br>(0xFF00A6D2)      |
| YUV                                 | 121.3820, 43.6887,<br>-106.4520 |
| Hunter-Lab                          | 56.5027, -19.0512,<br>-29.4974  |

# Details

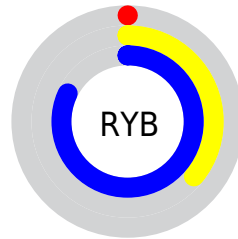
The YUV color **121.3820, 43.6887, -106.4520** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **88.6180, -43.6887, 106.4520**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **189.2950, 32.3926, -76.5577**, and **84.5880, 34.7131, -74.1837** is the 20% darker color. If you saturate the color by 10%, you get **121.3820, 43.6887, -106.4520**, and if you desaturate by 10%, it is **130.0090, 39.4356, -95.6009**.

# Distribution



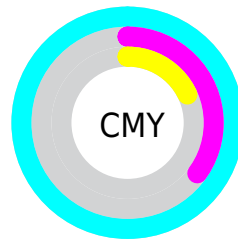
- Red (0%)
- Green (65%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (35%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 121.3820, 43.6887, -106.4520 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 121.3820, 43.6887, -106.4520 by changing the saturation by 10% instead.



121.3820, 43.6887,  
-106.4520

121.3820, 43.6887,  
-106.4520

255.0000, 0.0000,  
0.0000

102.9280, 38.9825,  
-90.2679

189.2950, 32.3926,  
-76.5577

84.5880, 34.7131,  
-74.1837

216.1850, 19.1358,  
-71.1992

66.9490, 30.5911,  
-58.7143

228.3890, 13.1192,  
-54.7152

50.5980, 26.3272,  
-44.3744

237.6580, 8.5496,  
-35.6571

34.2470, 22.0632,  
-30.0346

246.9270, 3.9800,  
-16.5990

19.8850, 17.8047,  
-17.4391

5.0500, 14.2723,

-4.4289

■ 1.0260, 3.9312,  
-0.8998

■ 0.0000, 0.0000,  
0.0000

■ 121.3820, 43.6887,  
-106.4520

■ 130.0090, 39.4356,  
-95.6009

■ 139.2230, 34.8931,  
-85.2646

■ 147.8500, 30.6400,  
-74.4134

■ 157.0640, 26.0974,  
-64.0771

■ 165.6910, 21.8443,  
-53.2260

■ 174.3180, 17.5912,  
-42.3749

■ 183.5320, 13.0487,  
-32.0386

■ 192.1590, 8.7956,  
-21.1874

■ 201.3730, 4.2531,  
-10.8511

# Harmonies

## Analogous

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



120.7660, 31.1744, -105.9118



121.3820, 43.6887, -106.4520



146.3560, 36.7995, -43.2852

# Triad

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



121.3820, 43.6887, -106.4520



156.1450, 0.4215, 51.6158



147.4530, -27.3383, -4.7823

# Complementary

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



121.3820, 43.6887, -106.4520



88.6180, -43.6887, 106.4520

# 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.



150.5490, -32.8087, 23.1975



121.3820, 43.6887, -106.4520



154.9270, -15.7400, 55.3150

# Square

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



121.3820, 43.6887, -106.4520



157.7370, 15.9057, 31.8027



152.9460, -28.0744, 44.7744



142.0390, -12.8372, -35.9912



# Rectangle

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



121.3820, 43.6887, -106.4520



152.9790, 32.0554, -14.8906



152.9460, -28.0744, 44.7744



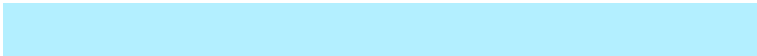
148.7100, -30.4230, 4.6393

# Sweetspot

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



121.3820, 43.6887, -106.4520



222.8840, 15.8332, -38.4863



128.0580, -42.4266, -112.3069



108.3760, 9.6746, -23.1318



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

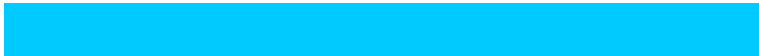


# Same Dimension

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



121.3820, 43.6887, -106.4520



147.6440, 52.9265, -129.4838



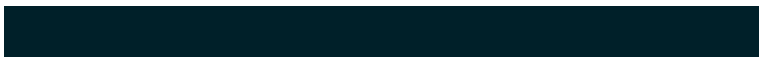
60.9210, 73.4959, -53.4277



99.9500, 2.4897, -5.2181



97.2230, 34.8931, -85.2646



23.4580, 8.6482, -20.5727



# Inverse Universe

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



81.7140, 41.5530, 112.5068



99.2730, 50.6444, 136.5726



149.0790, -73.4959, 53.4277



98.2010, 1.8729, 5.9627



65.3940, 33.3298, 89.9855



15.9070, 7.9338, 22.0066



# Previews

## White Background



This preview shows how the YUV color 121.3820, 43.6887, -106.4520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

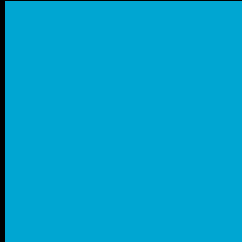
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 121.3820, 43.6887, -106.4520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

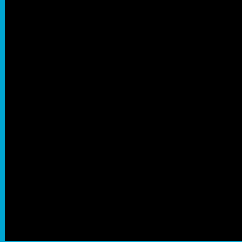
Any Text WCAG AA ✓ Pass

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 121.3820, 43.6887, -106.4520 Background**



This preview shows how black text looks on a background with the YUV color 121.3820, 43.6887, -106.4520.



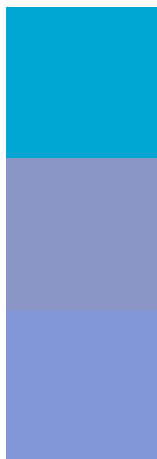
This preview shows how white text looks on a background with the YUV color 121.3820, 43.6887, -106.4520.



# 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

121.3820, 43.6887, -106.4520

### Protanopia

152.1830, 22.5878, -11.5615

### Deuteranopia

152.2020, 30.4664, -18.5942



## Tritanopia

119.9510, 30.5902, -105.1970

# Trichromacy



## Original Color

121.3820, 43.6887, -106.4520

## Protanomaly

140.9120, 30.1164, -46.4038

## Deuteranomaly

140.6710, 35.6582, -50.5775

## Tritanomaly

120.5040, 35.2475, -105.6820

# Monochromacy



## Original Color

121.3820, 43.6887, -106.4520

## Achromatopsia

121.0000, 0.0000, 0.0000

## Achromatomaly

120.8840, 15.8332, -38.4863

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 121.3820, 43.6887, -106.4520 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, 166, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 210)  
}
```

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, 166, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 210) }
```

## Border

The CSS property to change the border of an element to YUV 121.3820, 43.6887, -106.4520 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, 166, 210) }
```



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

```
.border{ border-color:rgb(0, 166, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
210) }
```

# Background

The CSS property to change the background color of an element to YUV 121.3820, 43.6887, -106.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 210) }
```

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

```
.background{ background-color: rgb(0, 166,  
210) }
```

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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