

# Converting Colors

YUV(164.6340, 21.3794,  
-90.8870)

Have a look what the booklet for  
YUV(164.6340, 21.3794, -90.8870)  
contains.

<b>YUV(164.6340, 21.3794, -90.8870)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(164.6340, 21.3794,  
-90.8870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DD1D0
RGB	61, 209, 208
RGB Percent	24%, 82%, 82%
CMY	0.7608, 0.1804, 0.1843
CMYK	0.71, 0.00, 0.00, 0.18
HSL	180°, 62%, 53%
HSV	180°, 71%, 82%
XYZ	36.1101, 51.1471, 67.6437
YIQ	164.6340, -87.8870, -31.6870

# Conversions

## Conversions Part 2

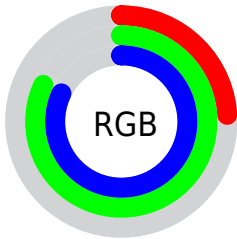
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 135, 209
Decimal	4051408
CIELab	76.77, -37.73, -10.71
CIELCh	77, 39.221, 195.847
Yxy	51.1471, 0.2331, 0.3302
Android (android.graphics.Color)	4282241488 (0xFF3DD1D0)
YUV	164.6340, 21.3794, -90.8870
Hunter-Lab	71.5172, -35.0278, -6.0167

# Details

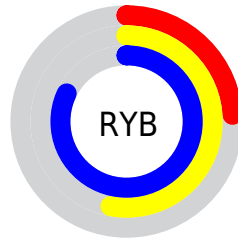
The YUV color **164.6340, 21.3794, -90.8870** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **105.3660, -21.3794, 90.8870**, and the grayscale version is **164.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **217.6250, 18.4259, -76.8471**, and **107.9540, 22.7007, -94.6757** is the 20% darker color. If you saturate the color by 10%, you get **158.3550, 24.4750, -103.7973**, and if you desaturate by 10%, it is **170.9130, 18.2839, -77.9767**.

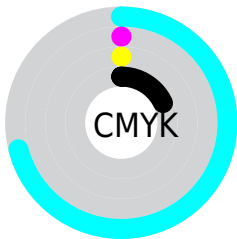
# Distribution



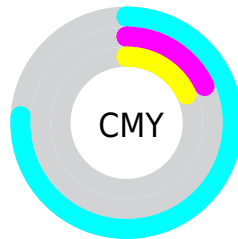
- Red (24%)
- Green (82%)
- Blue (82%)



- Red (24%)
- Yellow (53%)
- Blue (82%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (76%)
- Magenta (18%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 164.6340, 21.3794, -90.8870 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 164.6340, 21.3794, -90.8870 by changing the saturation by 10% instead.



164.6340, 21.3794,  
-90.8870

164.6340, 21.3794,  
-90.8870

255.0000, 0.0000,  
0.0000

126.7670, 26.2439,  
-111.1747

217.6250, 18.4259,  
-76.8471

107.9540, 22.7007,  
-94.6757

226.8940, 13.8563,  
-57.7890

89.1410, 19.1575,  
-78.1767

236.1630, 9.2866,  
-38.7310

71.6160, 15.4723,  
-62.8072

245.1330, 4.8644,  
-20.2876

54.2050, 12.2239,  
-47.5378

254.4020, 0.2948,  
-1.2296

37.4950, 9.1230,  
-32.8831

22.7740, 6.0274,

-19.9728

■ 1.3680, 5.2416,  
-1.1997

■ 0.0000, 0.0000,  
0.0000

■ 164.6340, 21.3794,  
-90.8870

■ 164.6340, 21.3794,  
-90.8870

■ 158.3550, 24.4750,  
-103.7973

■ 170.9130, 18.2839,  
-77.9767

■ 152.0760, 27.5705,  
-116.7077


■ 177.1920, 15.1883,  
-65.0664

■ 146.3950, 30.3713,  
-128.3884


■ 183.4710, 12.0928,  
-52.1561

■ 189.8640, 9.4340,  
-39.3457

 196.1430, 6.3385,  
-26.4354

 202.1230, 3.3904,  
-14.1399

 208.4020, 0.2948,  
-1.2296

 214.6810, -2.8007,  
11.6808

 220.9600, -5.8963,  
24.5911

# Harmonies

## Analogous

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



173.8820, -1.4208, -57.7785



164.6340, 21.3794, -90.8870



164.4280, 37.2570, -96.8454

# Triad

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



164.6340, 21.3794, -90.8870



194.0930, 22.6322, 20.9664



188.2840, -34.1570, 35.7079

# Complementary

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



164.6340, 21.3794, -90.8870



105.3660, -21.3794, 90.8870

# 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.



190.6960, -25.4861, 54.6406



164.6340, 21.3794, -90.8870



194.1430, 6.8315, 48.9866

# Square

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



164.6340, 21.3794, -90.8870



188.7830, 32.6450, -17.3497



190.8330, -9.7777, 56.2745



184.8630, -32.4705, 8.0131



# Rectangle

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



164.6340, 21.3794, -90.8870



173.3690, 40.2441, -74.8686



190.8330, -9.7777, 56.2745



189.1970, -32.1421, 42.8002

# Sweetspot

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



164.6340, 21.3794, -90.8870



238.8540, 7.9600, -33.1980



148.4740, -43.1247, -74.9607



118.3180, 4.2802, -19.5729



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.



164.6340, 21.3794, -90.8870



190.0030, 31.5505, -133.3066



122.4840, 42.6524, -53.9215



101.5970, 1.1847, -6.6626



117.6540, 24.3276, -103.1826



28.7410, 6.0437, -25.2059



# Inverse Universe

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



105.3660, -21.3794, 90.8870



103.1110, -31.1137, 133.2067



147.5160, -42.6524, 53.9215



97.2890, -1.6215, 6.7625



50.3460, -24.3276, 103.1826

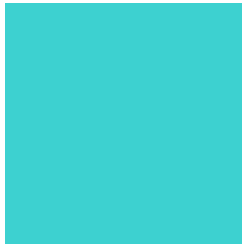


12.2590, -6.0437, 25.2059



# Previews

## White Background



This preview shows how the YUV color 164.6340, 21.3794, -90.8870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

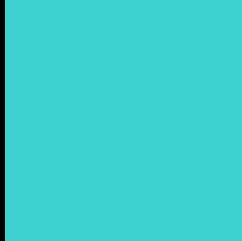
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 164.6340, 21.3794, -90.8870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

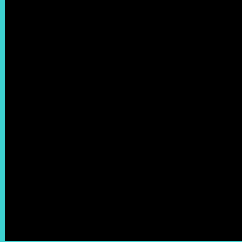
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

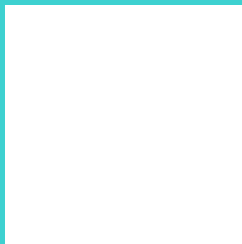
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 164.6340, 21.3794, -90.8870

## Background



This preview shows how black text looks on a background with the YUV color 164.6340, 21.3794, -90.8870.



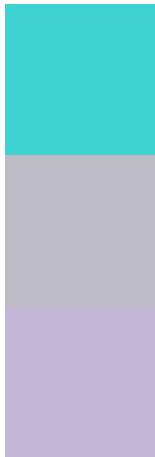
This preview shows how white text looks on a background with the YUV color 164.6340, 21.3794, -90.8870.

-90.8870.

# 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

164.6340, 21.3794, -90.8870

### Protanopia

188.5100, 3.1996, 0.4297

### Deuteranopia

189.8230, 11.9193, 3.6632



## Tritanopia

167.8610, 27.1835, -85.8241

# Trichromacy



## Original Color

164.6340, 21.3794, -90.8870



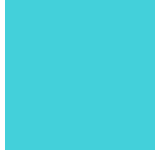
## Protanomaly

179.7230, 9.9966, -33.0831



## Deuteranomaly

180.5260, 15.5167, -30.2793



## Tritanomaly

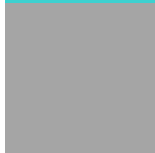
166.9810, 25.1524, -87.6833

# Monochromacy



## Original Color

164.6340, 21.3794, -90.8870



## Achromatopsia

165.0000, 0.0000, 0.0000



## Achromatomaly

164.8540, 7.9600, -33.1980

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 164.6340, 21.3794, -90.8870 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(61, 209, 208)` looks like.

```
.text, #text, p{  
    color:rgb(61, 209, 208)  
}
```

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(61, 209, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 209, 208) }
```

## Border

The CSS property to change the border of an element to YUV 164.6340, 21.3794, -90.8870 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(61, 209, 208) }
```



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

```
.border{ border-color:rgb(61, 209, 208) }
```

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

Here you see how a box with a 4 pixel rgb(61, 209, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 209, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 209, 208);  
box-shadow:4px 4px 4px 4px rgb(61, 209,  
208) }
```

# Background

The CSS property to change the background color of an element to YUV 164.6340, 21.3794, -90.8870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 209, 208) }
```

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

```
.background{ background-color: rgb(61, 209,  
208) }
```

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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