

# Converting Colors

YUV(166.0710, 11.7970,  
-97.4093)

Have a look what the booklet for  
YUV(166.0710, 11.7970, -97.4093)  
contains.

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# Color

**YUV(166.0710, 11.7970,  
-97.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37DABE
RGB	55, 218, 190
RGB Percent	22%, 85%, 75%
CMY	0.7843, 0.1451, 0.2549
CMYK	0.75, 0.00, 0.13, 0.15
HSL	170°, 69%, 54%
HSV	170°, 75%, 85%
XYZ	35.9412, 54.6727, 57.3738
YIQ	166.0710, -88.1600, -43.2640

# Conversions

## Conversions Part 2

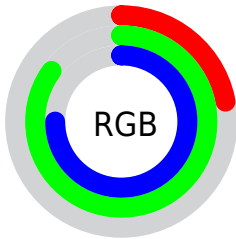
Format	Color
R <sub>YB</sub>	55, 144, 218
Decimal	3660478
CIE Lab	78.85, -47.28, 2.00
CIE LCh	79, 47.322, 177.580
Yxy	54.6727, 0.2429, 0.3694
Android (android.graphics.Color)	4281850558 (0xFF37DABE)
YUV	166.0710, 11.7970, -97.4093
Hunter-Lab	73.9410, -42.6316, 5.7532

# Details

The YUV color **166.0710, 11.7970, -97.4093** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **106.9290, -11.7970, 97.4093**, and the grayscale version is **166.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **215.4030, 15.0843, -78.4064**, and **110.7120, 12.9600, -97.0944** is the 20% darker color. If you saturate the color by 10%, you get **159.0370, 13.2928, -110.5344**, and if you desaturate by 10%, it is **173.1050, 10.3012, -84.2841**.

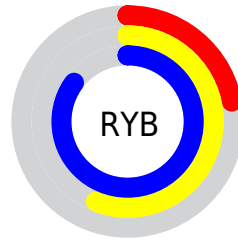
# Distribution



Red (22%)

Green (85%)

Blue (75%)



Red (22%)

Yellow (56%)

Blue (85%)

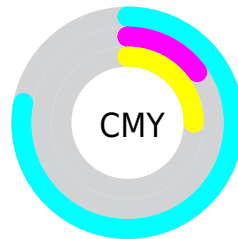


Cyan (75%)

Magenta (0%)

Yellow (13%)

Black (15%)



Cyan (78%)

Magenta (15%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 166.0710, 11.7970, -97.4093 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 166.0710, 11.7970, -97.4093 by changing the saturation by 10% instead.



■ 166.0710, 11.7970,  
-97.4093

■ 166.0710, 11.7970,  
-97.4093

■ 255.0000, 0.0000,  
0.0000

■ 130.1120, 16.2138,  
-114.1082

■ 215.4030, 15.0843,  
-78.4064

■ 110.7120, 12.9600,  
-97.0944

■ 225.9970, 14.2985,  
-59.6334

■ 91.8990, 9.4168,  
-80.5954

■ 234.9670, 9.8763,  
-41.1901

■ 73.9010, 6.4578,  
-64.8112

■ 244.2360, 5.3067,  
-22.1320

■ 56.6040, 3.6462,  
-49.6417

■ 253.5050, 0.7370,  
-3.0739

■ 39.4210, 1.2714,  
-34.5722

■ 24.2270, -1.0979,

-21.2471

■ 0.0000, 0.0000,  
0.0000

■ 166.0710, 11.7970,  
-97.4093

■ 166.0710, 11.7970,  
-97.4093

■ 159.0370, 13.2928,  
-110.5344

■ 173.1050, 10.3012,  
-84.2841

■ 152.1170, 15.2253,  
-123.7596

■ 180.0250, 8.3687,  
-71.0589

■ 148.6000, 15.9732,  
-130.3222

■ 186.7600, 7.0203,  
-58.5485

■ 193.7940, 5.5246,  
-45.4233

■ 200.8280, 4.0288,  
-32.2982

■ 207.7480, 2.0962,  
-19.0730

■ 214.7820, 0.6005,  
-5.9478

■ 221.5170, -0.7479,  
6.5626

■ 228.5510, -2.2436,  
19.6878

# Harmonies

## Analogous

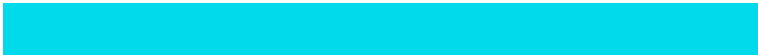
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



180.5340, -17.0253, -46.0723



166.0710, 11.7970, -97.4093



154.7560, 39.5603, -135.7210

# Triad

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



166.0710, 11.7970, -97.4093



195.6710, 29.2492, -1.4655



193.4650, -35.2322, 53.9662

# Complementary

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



166.0710, 11.7970, -97.4093



106.9290, -11.7970, 97.4093

# 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.



189.8240, -16.1822, 57.1594



166.0710, 11.7970, -97.4093



200.7580, 20.8253, 40.5542

# Square

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



166.0710, 11.7970, -97.4093



182.6380, 35.6745, -55.8105



193.0790, 3.9051, 54.3047



191.7750, -42.2871, 30.0153

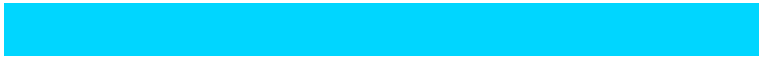


# Rectangle

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



166.0710, 11.7970, -97.4093



154.6880, 49.4538, -135.6614



193.0790, 3.9051, 54.3047



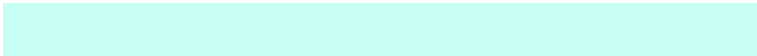
191.6700, -29.4173, 55.5404

# Sweetspot

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



166.0710, 11.7970, -97.4093



237.1160, 3.8868, -33.4277



159.6510, -51.5929, -65.4689



117.1500, 2.3911, -20.3025



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.



166.0710, 11.7970, -97.4093



181.7840, 16.8685, -137.4996



138.7390, 39.0757, -73.4391



106.4830, 0.7479, -6.5626



117.9670, 12.8343, -103.4571



31.3340, 3.2863, -27.4799



# Inverse Universe

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



106.9290, -11.7970, 97.4093



98.3300, -16.4317, 137.3996



134.2610, -39.0757, 73.4391



102.5170, -0.7479, 6.5626



55.1470, -12.3975, 103.3571

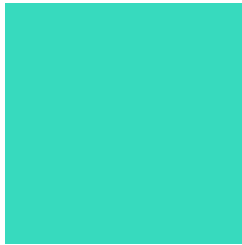


14.6660, -3.2863, 27.4799



# Previews

## White Background



This preview shows how the YUV color 166.0710, 11.7970, -97.4093 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 166.0710, 11.7970, -97.4093 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

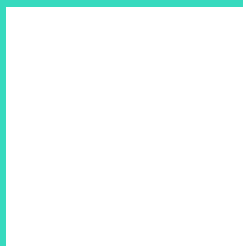
Any Text WCAG AAA ✓ Pass

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

# YUV 166.0710, 11.7970, -97.4093 Background



This preview shows how black text looks on a background with the YUV color 166.0710, 11.7970, -97.4093.



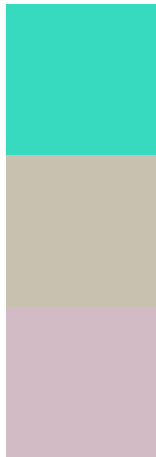
This preview shows how white text looks on a background with the YUV color 166.0710, 11.7970,



# 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

166.0710, 11.7970, -97.4093

### Protanopia

193.4540, -8.6048, 6.6178

### Deuteranopia

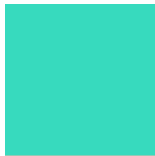
195.3160, 0.8302, 13.7549



## Tritanopia

173.9860, 27.6149, -84.1797

# Trichromacy



## Original Color

166.0710, 11.7970, -97.4093



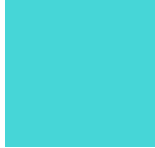
## Protanomaly

183.4600, -1.2128, -31.0984



## Deuteranomaly

184.3880, 4.7387, -26.6503



## Tritanomaly

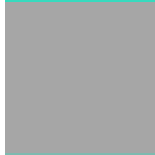
171.0580, 21.6634, -88.6279

# Monochromacy



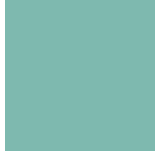
## Original Color

166.0710, 11.7970, -97.4093



## Achromatopsia

166.0000, 0.0000, 0.0000



## Achromatomaly

166.2190, 4.3290, -35.2721

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 166.0710, 11.7970, -97.4093 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(55, 218, 190)` looks like.

```
.text, #text, p{  
    color:rgb(55, 218, 190)  
}
```

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(55, 218, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 218, 190) }
```

## Border

The CSS property to change the border of an element to YUV 166.0710, 11.7970, -97.4093 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(55, 218, 190) }
```



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

```
.border{ border-color:rgb(55, 218, 190) }
```

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

Here you see how a box with a 4 pixel rgb(55, 218, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 218, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 218, 190);  
box-shadow:4px 4px 4px 4px rgb(55, 218,  
190) }
```

# Background

The CSS property to change the background color of an element to YUV 166.0710, 11.7970, -97.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 218, 190) }
```

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

```
.background{ background-color: rgb(55, 218,  
190) }
```

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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