

# Converting Colors

YUV(149.6440, -10.6705,  
-77.7408)

Have a look what the booklet for  
YUV(149.6440, -10.6705, -77.7408)  
contains.

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# Color

**YUV(149.6440, -10.6705,  
-77.7408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DC780
RGB	61, 199, 128
RGB Percent	24%, 78%, 50%
CMY	0.7608, 0.2196, 0.4980
CMYK	0.69, 0.00, 0.36, 0.22
HSL	149°, 55%, 51%
HSV	149°, 69%, 78%
XYZ	26.2442, 43.3975, 27.4154
YIQ	149.6440, -59.4570, -51.3370

# Conversions

## Conversions Part 2

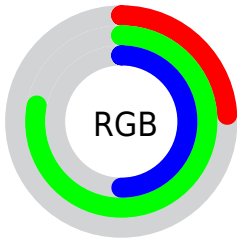
Format	Color
<a href="#">RYB</a>	<a href="#">61, 154, 199</a>
Decimal	<a href="#">4048768</a>
CIELab	<a href="#">71.82, -52.96, 25.13</a>
CIELCh	<a href="#">72, 58.622, 154.618</a>
Yxy	<a href="#">43.3975, 0.2704, 0.4471</a>
Android (android.graphics.Color)	<a href="#">4282238848 (0xFF3DC780)</a>
YUV	<a href="#">149.6440, -10.6705, -77.7408</a>
Hunter-Lab	<a href="#">65.8767, -44.1730, 21.4395</a>

# Details

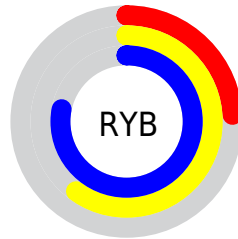
The YUV color **149.6440, -10.6705, -77.7408** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **110.3560, 10.6705, 77.7408**, and the grayscale version is **150.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **207.6940, -13.1601, -72.5226**, and **93.4200, -7.6021, -81.9293** is the 20% darker color. If you saturate the color by 10%, you get **142.5240, -12.0903, -89.0365**, and if you desaturate by 10%, it is **156.7640, -9.2507, -66.4450**.

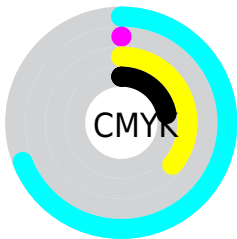
# Distribution



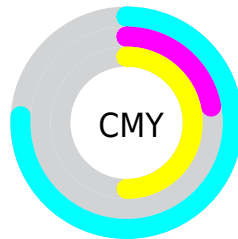
- Red (24%)
- Green (78%)
- Blue (50%)



- Red (24%)
- Yellow (60%)
- Blue (78%)



- Cyan (69%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)



- Cyan (76%)
- Magenta (22%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 149.6440, -10.6705, -77.7408 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 149.6440, -10.6705, -77.7408 by changing the saturation by 10% instead.





 149.6440,  
-10.6705, -77.7408

 149.6440,  
-10.6705, -77.7408


255.0000, 0.0000,  
0.0000

 115.4080, -6.1171,  
-91.5658


 207.6940,  
-13.1601, -72.5226


 93.4200, -7.6021,  
-81.9293


 219.8560, -5.3520,  
-56.8787


 74.9490, -9.8349,  
-65.7303


 231.7190, 2.6035,  
-41.8496

 57.6520, -12.6464,  
-50.5608

 242.7410, 6.0437,  
-25.2059

 40.3550, -15.4580,  
-35.3913

 252.0100, 1.4741,  
-6.1478

 26.4150, -13.0226,  
-23.1660

 7.0440, -3.4727,

-6.1776

■ 0.0000, 0.0000,  
0.0000

■ 149.6440,  
-10.6705, -77.7408

■ 149.6440,  
-10.6705, -77.7408

■ 142.5240,  
-12.0903, -89.0365

■ 156.7640, -9.2507,  
-66.4450

■ 135.4040,  
-13.5102, -100.3323

■ 163.8840, -7.8308,  
-55.1493

■ 128.1700,  
-15.3668, -111.5281

■ 171.1180, -5.9742,  
-43.9535

■ 127.8710,  
-15.2194, -112.1429

■ 178.2380, -4.5543,  
-32.6577

■ 185.3580, -3.1345,  
-21.3620

■ 192.1790, -1.5672,  
-10.6810

■ 199.4130, 0.2894,  
0.5148

■ 206.5330, 1.7092,  
11.8106

■ 213.6530, 3.1291,  
23.1063

# Harmonies

## Analogous

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



163.4500, -39.6618, -18.8116



149.6440, -10.6705, -77.7408



139.4360, 21.4771, -122.2854

# Triad

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



149.6440, -10.6705, -77.7408



159.8570, 46.9055, -64.7726



170.1160, -25.6932, 74.4433

# Complementary

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



149.6440, -10.6705, -77.7408



110.3560, 10.6705, 77.7408

# 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.



170.7610, -0.3752, 73.8776



149.6440, -10.6705, -77.7408



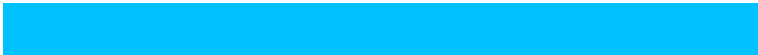
179.2130, 37.3630, 9.4602

# Square

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



149.6440, -10.6705, -77.7408



142.9480, 55.2416, -125.3654



180.5800, 20.9131, 59.1273



172.8220, -46.7472, 60.6691



# Rectangle

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



149.6440, -10.6705, -77.7408



143.5400, 37.2018, -125.8846



180.5800, 20.9131, 59.1273



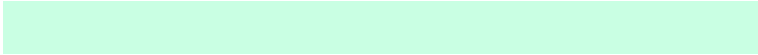
169.0050, -17.2575, 75.4176

# Sweetspot

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



149.6440, -10.6705, -77.7408



235.6620, -4.2704, -30.3986



163.2350, -50.4019, -27.3931



116.4940, -2.7085, -17.9732



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.



149.6440, -10.6705, -77.7408



179.1860, -16.3607, -119.4351



157.5100, 19.4686, -84.6393



95.7390, -0.8573, -5.0331



104.6870, -12.6637, -91.8105



23.0700, -2.9925, -20.2324



# Inverse Universe

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



110.3560, 10.6705, 77.7408



118.8140, 16.3607, 119.4351



102.4900, -19.4686, 84.6393



93.2610, 0.8573, 5.0331



58.3130, 12.6637, 91.8105

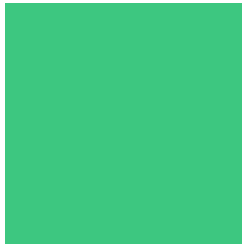


12.8160, 2.5557, 20.3324



# Previews

## White Background



This preview shows how the YUV color 149.6440, -10.6705, -77.7408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

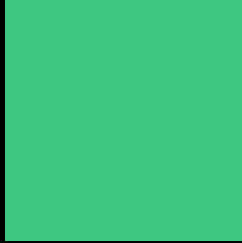
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 149.6440, -10.6705, -77.7408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

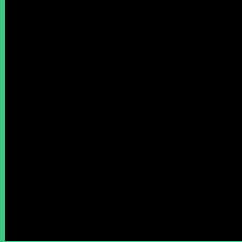
Any Text WCAG AA ✓ Pass

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 149.6440, -10.6705, -77.7408 Background



This preview shows how black text looks on a background with the YUV color 149.6440, -10.6705, -77.7408.



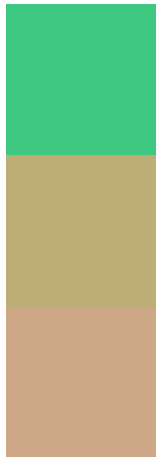
This preview shows how white text looks on a background with the YUV color 149.6440, -10.6705, -77.7408.

-77.7408.

# 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

149.6440, -10.6705, -77.7408

### Protanopia

172.1010, -26.6718, 14.8204

### Deuteranopia

175.3010, -19.8684, 26.0460



## Tritanopia

161.8100, 21.2927, -62.9774

# Trichromacy



## Original Color

149.6440, -10.6705, -77.7408



## Protanomaly

163.7870, -20.6010, -19.1072



## Deuteranomaly

165.8680, -16.6969, -11.2852



## Tritanomaly

157.0900, 9.8156, -68.4849

# Monochromacy



## Original Color

149.6440, -10.6705, -77.7408



## Achromatopsia

150.0000, 0.0000, 0.0000



## Achromatomaly

150.0860, -3.9864, -28.1394

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 149.6440, -10.6705, -77.7408 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, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(61, 199, 128)  
}
```

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, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 199, 128) }
```

## Border

The CSS property to change the border of an element to YUV 149.6440, -10.6705, -77.7408 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, 199, 128) }
```



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

```
.border{ border-color:rgb(61, 199, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(61, 199,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 149.6440, -10.6705, -77.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 199, 128) }
```

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

```
.background{ background-color: rgb(61, 199,  
128) }
```

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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