

# Converting Colors

YUV(196.1070, 10.7932,  
-55.3448)

Have a look what the booklet for  
YUV(196.1070, 10.7932, -55.3448)  
contains.

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# Color

**YUV(196.1070, 10.7932,  
-55.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E0DA
RGB	133, 224, 218
RGB Percent	52%, 88%, 85%
CMY	0.4784, 0.1216, 0.1451
CMYK	0.41, 0.00, 0.03, 0.12
HSL	176°, 59%, 70%
HSV	176°, 41%, 88%
XYZ	48.9834, 63.3598, 75.9776
YIQ	196.1070, -52.3100, -21.1580

# Conversions

## Conversions Part 2

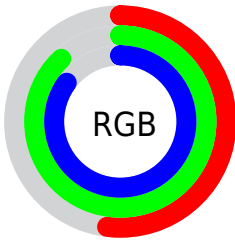
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 180, 224
Decimal	8773850
CIE <sub>Lab</sub>	83.63, -28.57, -5.62
CIE <sub>LCh</sub>	84, 29.119, 191.119
Yxy	63.3598, 0.2601, 0.3364
Android (android.graphics.Color)	4286963930 (0xFF85E0DA)
YUV	196.1070, 10.7932, -55.3448
Hunter-Lab	79.5989, -29.4530, -0.8735

# Details

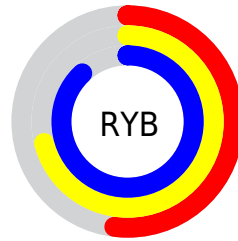
The YUV color **196.1070, 10.7932, -55.3448** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **160.8930, -10.7932, 55.3448**, and the grayscale version is **196.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **235.5650, 9.5815, -39.9605**, and **139.9220, 11.3775, -56.0596** is the 20% darker color. If you saturate the color by 10%, you get **189.4150, 13.5994, -68.7700**, and if you desaturate by 10%, it is **202.7990, 7.9871, -41.9197**.

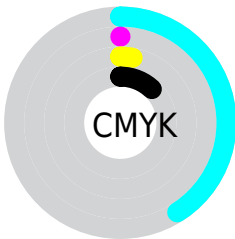
# Distribution



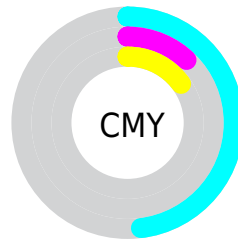
- Red (52%)
- Green (88%)
- Blue (85%)



- Red (52%)
- Yellow (71%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)



- Cyan (48%)
- Magenta (12%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 196.1070, 10.7932, -55.3448 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 196.1070, 10.7932, -55.3448 by changing the saturation by 10% instead.



196.1070, 10.7932,  
-55.3448

196.1070, 10.7932,  
-55.3448

255.0000, 0.0000,  
0.0000

168.1070, 10.7932,  
-55.3448

235.5650, 9.5815,  
-39.9605

139.9220, 11.3775,  
-56.0596

244.2360, 5.3067,  
-22.1320

112.4270, 12.1145,  
-59.1335

253.2060, 0.8844,  
-3.6887

80.8600, 15.3520,  
-70.9142

63.3350, 11.6668,  
-55.5448

46.6250, 8.5659,  
-40.8901

30.6160, 5.6123,

-26.8502

■ 15.4220, 3.2430,  
-13.5251

■ 0.0000, 0.0000,  
0.0000

■ 196.1070, 10.7932,  
-55.3448

■ 196.1070, 10.7932,  
-55.3448

■ 189.4150, 13.5994,  
-68.7700

■ 202.7990, 7.9871,  
-41.9197

■ 182.3100, 16.1162,  
-82.7099

■ 209.9040, 5.4703,  
-27.9798

■ 175.6180, 18.9223,  
-96.1350

■ 216.5960, 2.6642,  
-14.5547

■ 168.5130, 21.4391,  
-110.0749

■ 223.7010, 0.1474,  
-0.6148

■ 161.8210, 24.2452,  
-123.5000

■ 230.3930, -2.6587,  
12.8103

■ 155.3140, 26.4672,  
-136.2104

■ 233.6110, -3.2592,  
18.7582

■ 233.7250, -2.8224,  
18.6582

■ 233.9530, -1.9488,  
18.4582

■ 234.0670, -1.5120,  
18.3582

# Harmonies

## Analogous

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



199.5040, -4.6855, -37.2760



196.1070, 10.7932, -55.3448



196.7010, 23.3184, -59.3738

# Triad

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



196.1070, 10.7932, -55.3448



212.3000, 18.5861, 12.0149



208.8410, -25.5576, 30.8344

# Complementary

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



196.1070, 10.7932, -55.3448



160.8930, -10.7932, 55.3448

# 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.



209.3720, -17.4384, 40.0158



196.1070, 10.7932, -55.3448



213.3430, 6.7329, 33.9022

# Square

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



196.1070, 10.7932, -55.3448



207.0900, 23.6196, -15.8649



209.8740, -5.3609, 39.5755



206.1220, -25.2031, 10.4170

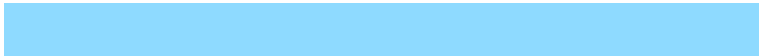


# Rectangle

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



196.1070, 10.7932, -55.3448



199.4940, 27.3645, -50.4222



209.8740, -5.3609, 39.5755



209.6290, -23.9741, 36.2824

# Sweetspot

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



196.1070, 10.7932, -55.3448



245.5030, 3.6960, -18.8581



188.2110, -27.2190, -43.1580



122.3900, 1.7797, -10.8660



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.



196.1070, 10.7932, -55.3448



216.7130, 14.9315, -76.0473



173.8980, 24.7003, -35.8675



108.5970, 1.1847, -6.6626



122.0080, 20.7021, -107.0010



33.3060, 5.7651, -29.2094



# Inverse Universe

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



160.8930, -10.7932, 55.3448



168.2870, -14.9315, 76.0473



183.1020, -24.7003, 35.8675



104.4030, -1.1847, 6.6626



53.9920, -20.7021, 107.0010



14.6940, -5.7651, 29.2094



# Previews

## White Background



This preview shows how the YUV color 196.1070, 10.7932, -55.3448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

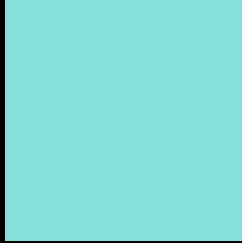
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 196.1070, 10.7932, -55.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

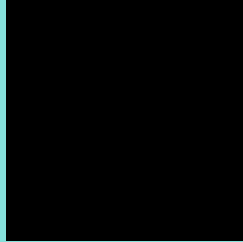
Any Text WCAG AA ✓ Pass

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 196.1070, 10.7932, -55.3448 Background



This preview shows how black text looks on a background with the YUV color 196.1070, 10.7932, -55.3448.



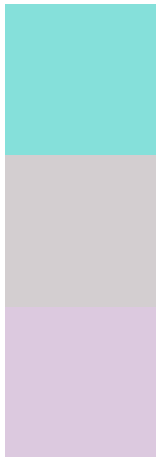
This preview shows how white text looks on a background with the YUV color 196.1070, 10.7932, -55.3448.

-55.3448.

# 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

196.1070, 10.7932, -55.3448

### Protanopia

207.7230, 0.1366, 2.8739

### Deuteranopia

209.1890, 6.8088, 9.4812



## Tritanopia

198.5340, 19.9497, -52.2113

# Trichromacy



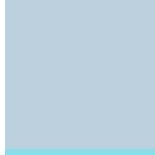
## Original Color

196.1070, 10.7932, -55.3448



## Protanomaly

203.9160, 3.9854, -18.3433



## Deuteranomaly

204.0890, 8.3371, -14.1101



## Tritanomaly

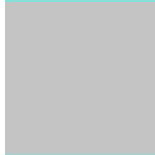
197.6110, 16.4608, -53.1558

# Monochromacy



## Original Color

196.1070, 10.7932, -55.3448



## Achromatopsia

196.0000, 0.0000, 0.0000



## Achromatomaly

195.9050, 3.9908, -20.0877

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 196.1070, 10.7932, -55.3448 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(133, 224, 218)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 218)  
}
```

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(133, 224, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 218) }
```

## Border

The CSS property to change the border of an element to YUV 196.1070, 10.7932, -55.3448 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".

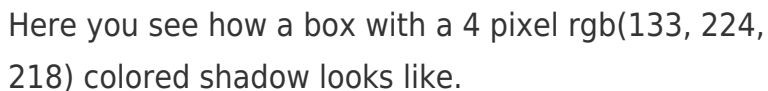
```
.border, #border, table{ border:4px solid rgb(133, 224, 218) }
```



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

```
.border{ border-color:rgb(133, 224, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 224, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 224, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 224, 218); box-shadow:4px 4px 4px 4px rgb(133, 224, 218) }
```

# Background

The CSS property to change the background color of an element to YUV 196.1070, 10.7932, -55.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 218) }
```

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

```
.background{ background-color: rgb(133,  
224, 218) }
```

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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