

# Converting Colors

YUV(196.8080, 10.9407,  
-55.9596)

Have a look what the booklet for  
YUV(196.8080, 10.9407, -55.9596)  
contains.

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# Color

**YUV(196.8080, 10.9407,  
-55.9596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E1DB
RGB	133, 225, 219
RGB Percent	52%, 88%, 86%
CMY	0.4784, 0.1176, 0.1412
CMYK	0.41, 0.00, 0.03, 0.12
HSL	176°, 61%, 70%
HSV	176°, 41%, 88%
XYZ	49.3843, 63.9514, 76.7589
YIQ	196.8080, -52.9060, -21.3700

# Conversions

## Conversions Part 2

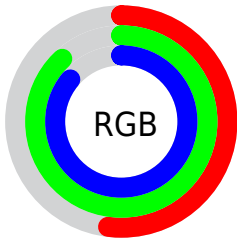
Format	Color
<b>RYB</b>	133, 181, 225
Decimal	8774107
CIELab	83.94, -28.81, -5.69
CIElCh	84, 29.371, 191.168
Yxy	63.9514, 0.2598, 0.3364
Android (android.graphics.Color)	4286964187 (0xFF85E1DB)
YUV	196.8080, 10.9407, -55.9596
Hunter-Lab	79.9696, -29.7164, -0.9308

# Details

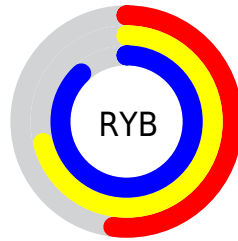
The YUV color **196.8080, 10.9407, -55.9596** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **161.1920, -10.9407, 55.9596**, and the grayscale version is **197.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **235.5650, 9.5815, -39.9605**, and **140.6230, 11.5249, -56.6744** is the 20% darker color. If you saturate the color by 10%, you get **190.1160, 13.7468, -69.3847**, and if you desaturate by 10%, it is **203.5000, 8.1345, -42.5345**.

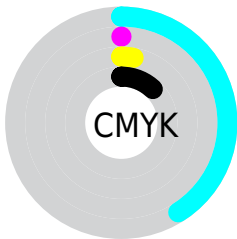
# Distribution



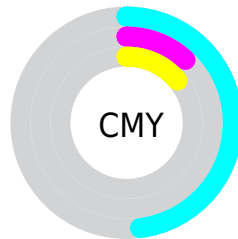
- Red (52%)
- Green (88%)
- Blue (86%)



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



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



- Cyan (48%)
- Magenta (12%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 196.8080, 10.9407, -55.9596 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 196.8080, 10.9407, -55.9596 by changing the saturation by 10% instead.



■ 196.8080, 10.9407,  
-55.9596

■ 196.8080, 10.9407,  
-55.9596

255.0000, 0.0000,  
0.0000

■ 168.8080, 10.9407,  
-55.9596

■ 235.5650, 9.5815,  
-39.9605

■ 140.6230, 11.5249,  
-56.6744

■ 244.2360, 5.3067,  
-22.1320

■ 113.1280, 12.2619,  
-59.7483

■ 253.2060, 0.8844,  
-3.6887

■ 81.4470, 15.0626,  
-71.4290

■ 64.0360, 11.8143,  
-56.1596

■ 47.3260, 8.7133,  
-41.5049

■ 31.3170, 5.7597,

-27.4650

■ 16.1230, 3.3904,  
-14.1399

■ 0.0000, 0.0000,  
0.0000

■ 196.8080, 10.9407,  
-55.9596

■ 196.8080, 10.9407,  
-55.9596

■ 190.1160, 13.7468,  
-69.3847

■ 203.5000, 8.1345,  
-42.5345

■ 183.0110, 16.2636,  
-83.3246

■ 210.6050, 5.6177,  
-28.5946

■ 176.3190, 19.0697,  
-96.7498

■ 217.5960, 2.6642,  
-14.5547

■ 169.2140, 21.5865,  
-110.6897

■ 224.4020, 0.2948,  
-1.2296

■ 162.5220, 24.3927,  
-124.1148

■ 231.3930, -2.6587,  
12.8103

■ 156.0150, 26.6146,  
-136.8252

■ 234.3120, -3.1118,  
18.1434

■ 234.4260, -2.6750,  
18.0434

■ 234.6540, -1.8014,  
17.8434

■ 234.7680, -1.3646,  
17.7435

# Harmonies

## Analogous

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



200.2050, -4.5381, -37.8908



196.8080, 10.9407, -55.9596



197.4020, 23.4658, -59.9886

# Triad

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



196.8080, 10.9407, -55.9596



213.3000, 18.5861, 12.0149



209.8410, -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.



196.8080, 10.9407, -55.9596



161.1920, -10.9407, 55.9596

# 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



196.8080, 10.9407, -55.9596



213.7560, 7.0223, 34.4170

# Square

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



196.8080, 10.9407, -55.9596



207.9760, 23.1828, -15.7650



209.9880, -4.9241, 39.4755



207.0080, -25.6399, 10.5170

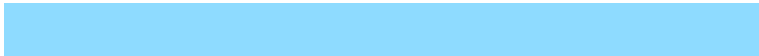


# Rectangle

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



196.8080, 10.9407, -55.9596



200.0810, 27.0751, -50.9370



209.9880, -4.9241, 39.4755



210.6290, -23.9741, 36.2824

# Sweetspot

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



196.8080, 10.9407, -55.9596



245.5030, 3.6960, -18.8581



188.7980, -27.5084, -43.6728



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.



196.8080, 10.9407, -55.9596



216.7130, 14.9315, -76.0473



174.0120, 25.1371, -35.9675



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.



161.1920, -10.9407, 55.9596



168.2870, -14.9315, 76.0473



183.9880, -25.1371, 35.9675



104.4030, -1.1847, 6.6626



53.8780, -21.1389, 107.1010

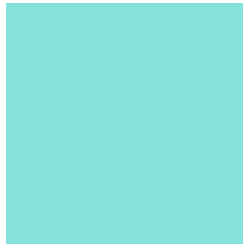


14.6940, -5.7651, 29.2094



# Previews

## White Background



This preview shows how the YUV color 196.8080, 10.9407, -55.9596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

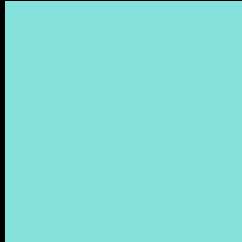
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 196.8080, 10.9407, -55.9596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

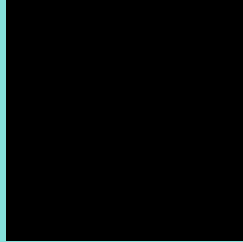
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 196.8080, 10.9407, -55.9596

## Background



This preview shows how black text looks on a background with the YUV color 196.8080, 10.9407, -55.9596.



This preview shows how white text looks on a background with the YUV color 196.8080, 10.9407, -55.9596.

-55.9596.

# 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

196.8080, 10.9407, -55.9596

### Protanopia

208.7230, 0.1366, 2.8739

### Deuteranopia

210.1890, 6.8088, 9.4812



## Tritanopia

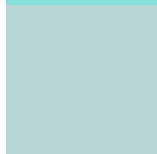
199.2350, 20.0971, -52.8261

# Trichromacy



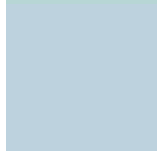
## Original Color

196.8080, 10.9407, -55.9596



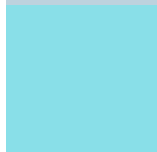
## Protanomaly

204.6170, 4.1328, -18.9581



## Deuteranomaly

205.0890, 8.3371, -14.1101



## Tritanomaly

198.3120, 16.6082, -53.7706

# Monochromacy



## Original Color

196.8080, 10.9407, -55.9596



## Achromatopsia

197.0000, 0.0000, 0.0000



## Achromatomaly

196.9050, 3.9908, -20.0877

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 196.8080, 10.9407, -55.9596 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, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(133, 225, 219)  
}
```

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, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 225, 219) }
```

## Border

The CSS property to change the border of an element to YUV 196.8080, 10.9407, -55.9596 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, 225, 219) }
```



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

```
.border{ border-color:rgb(133, 225, 219) }
```

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

Here you see how a box with a 4 pixel rgb(133, 225, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(133, 225,  
219) }
```

# Background

The CSS property to change the background color of an element to YUV 196.8080, 10.9407, -55.9596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 225, 219) }
```

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

```
.background{ background-color: rgb(133,  
225, 219) }
```

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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