

# Converting Colors

YUV(180.3890, 9.6682,  
-67.8702)

Have a look what the booklet for  
YUV(180.3890, 9.6682, -67.8702)  
contains.

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# Color

**YUV(180.3890, 9.6682,  
-67.8702)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 67D8C8                       |
| RGB         | 103, 216, 200                |
| RGB Percent | 40%, 85%, 78%                |
| CMY         | 0.5961, 0.1529, 0.2157       |
| CMYK        | 0.52, 0.00, 0.07, 0.15       |
| HSL         | 172°, 59%, 63%               |
| HSV         | 172°, 52%, 85%               |
| XYZ         | 40.5747, 56.1654, 63.3461    |
| YIQ         | 180.3890, -62.2120, -28.9320 |

# Conversions

## Conversions Part 2

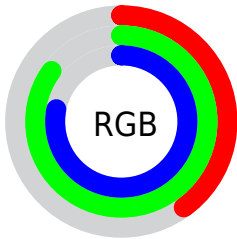
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 103, 164, 216                 |
| Decimal                             | 6805704                       |
| CIELab                              | 79.71, -36.05, -1.95          |
| CIELCh                              | 80, 36.106, 183.093           |
| Yxy                                 | 56.1654, 0.2535,<br>0.3508    |
| Android<br>(android.graphics.Color) | 4284995784<br>(0xFF67D8C8)    |
| YUV                                 | 180.3890, 9.6682,<br>-67.8702 |
| Hunter-Lab                          | 74.9436, -34.5108,<br>2.3456  |

# Details

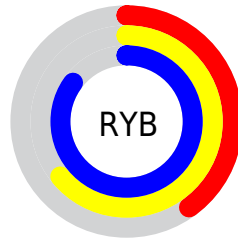
The YUV color **180.3890, 9.6682, -67.8702** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **138.6110, -9.6682, 67.8702**, and the grayscale version is **180.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **227.1930, 13.7089, -57.1743**, and **121.9150, 11.8739, -75.3475** is the 20% darker color. If you saturate the color by 10%, you get **173.4690, 11.6008, -81.0953**, and if you desaturate by 10%, it is **187.3090, 7.7357, -54.6450**.

# Distribution



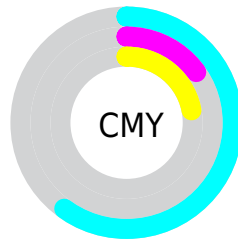
- Red (40%)
- Green (85%)
- Blue (78%)



- Red (40%)
- Yellow (64%)
- Blue (85%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)



- Cyan (60%)
- Magenta (15%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 180.3890, 9.6682, -67.8702 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 180.3890, 9.6682, -67.8702 by changing the saturation by 10% instead.



180.3890, 9.6682,  
-67.8702

180.3890, 9.6682,  
-67.8702

255.0000, 0.0000,  
0.0000

151.6060, 10.5472,  
-69.8145

227.1930, 13.7089,  
-57.1743

121.9150, 11.8739,  
-75.3475

235.8640, 9.4340,  
-39.3457

92.3380, 13.6374,  
-80.9804

244.8340, 5.0118,  
-20.9024

74.3400, 10.6784,  
-65.1962

253.8040, 0.5896,  
-2.4591

56.9290, 7.4300,  
-49.9267

40.3330, 4.7658,  
-35.3720

25.6120, 1.6703,

-22.4617

■ 0.4560, 1.7472,  
-0.3999

■ 0.0000, 0.0000,  
0.0000

■ 180.3890, 9.6682,  
-67.8702

■ 180.3890, 9.6682,  
-67.8702

■ 173.4690, 11.6008,  
-81.0953

■ 187.3090, 7.7357,  
-54.6450

■ 166.8480, 13.3859,  
-93.7057

■ 193.9300, 5.9505,  
-42.0346

■ 159.9280, 15.3185,  
-106.9309

■ 200.8500, 4.0180,  
-28.8094

■ 153.3070, 17.1036,  
-119.5412

■ 207.4710, 2.2328,  
-16.1991

■ 147.8820, 18.2992,  
-129.6925

■ 214.3910, 0.3002,  
-2.9739

■ 221.3110, -1.6323,  
10.2513

■ 227.9320, -3.4175,  
22.8616

■ 228.5730, -2.2545,  
23.1765

■ 229.0290, -0.5073,  
22.7766

# Harmonies

## Analogous

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



186.4130, -10.0636, -38.9502



180.3890, 9.6682, -67.8702



177.5840, 27.3201, -82.9502

# Triad

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



180.3890, 9.6682, -67.8702



201.2050, 26.0279, 5.0822



197.8810, -29.5213, 42.2004

# Complementary

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



180.3890, 9.6682, -67.8702



138.6110, -9.6682, 67.8702

# 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.



197.4380, -17.4709, 50.4819



180.3890, 9.6682, -67.8702



202.6620, 12.9846, 35.3764

# Square

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



180.3890, 9.6682, -67.8702



193.7120, 30.2150, -31.3194



199.4390, -2.1884, 48.7270



195.3420, -32.2136, 18.9941



# Rectangle

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



180.3890, 9.6682, -67.8702



180.7620, 34.1343, -75.2133



199.4390, -2.1884, 48.7270



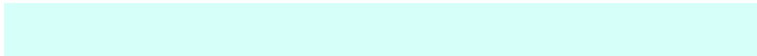
198.4240, -26.3380, 47.8632

# Sweetspot

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



180.3890, 9.6682, -67.8702



242.0570, 3.4229, -24.6060



174.4140, -35.2071, -47.7211



120.0690, 1.9380, -14.9695



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.



180.3890, 9.6682, -67.8702



204.2390, 13.6862, -96.6796



158.7330, 28.2326, -48.8778



103.5970, 1.1847, -6.6626



117.1350, 14.7234, -102.7274



29.4590, 3.7177, -25.8355



# Inverse Universe

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



138.6110, -9.6682, 67.8702



144.7610, -13.6862, 96.6796



160.2670, -28.2326, 48.8778



99.5170, -0.7479, 6.5626



53.8650, -14.7234, 102.7274

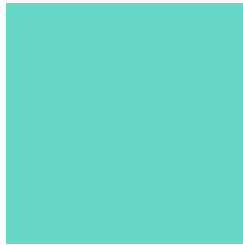


13.5410, -3.7177, 25.8355



# Previews

## White Background



This preview shows how the YUV color 180.3890, 9.6682, -67.8702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

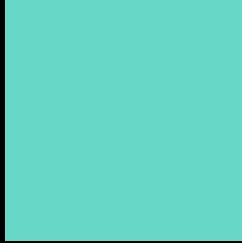
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 180.3890, 9.6682, -67.8702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

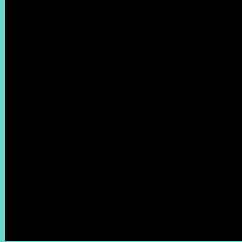
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

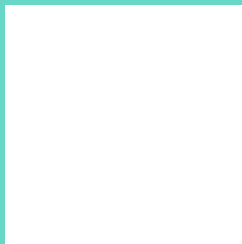
Any Text WCAG AAA ✓ Pass

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

# YUV 180.3890, 9.6682, -67.8702 Background



This preview shows how black text looks on a background with the YUV color 180.3890, 9.6682, -67.8702.



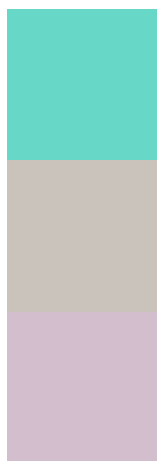
This preview shows how white text looks on a background with the YUV color 180.3890, 9.6682, -67.8702.



# 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

180.3890, 9.6682, -67.8702

### Protanopia

196.2950, -4.0894, 5.0033

### Deuteranopia

197.9890, 3.4564, 11.4106



## Tritanopia

184.3370, 22.0189, -62.5625

# Trichromacy



## Original Color

180.3890, 9.6682, -67.8702



## Protanomaly

190.6830, 0.6493, -21.6470



## Deuteranomaly

191.3830, 5.7272, -16.9989



## Tritanomaly

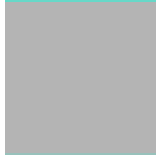
182.4740, 17.5143, -64.4367

# Monochromacy



## Original Color

180.3890, 9.6682, -67.8702



## Achromatopsia

180.0000, 0.0000, 0.0000



## Achromatomaly

180.0570, 3.4229, -24.6060

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 180.3890, 9.6682, -67.8702 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(103, 216, 200)` looks like.

```
.text, #text, p{  
    color:rgb(103, 216, 200)  
}
```

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(103, 216, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 216, 200) }
```

## Border

The CSS property to change the border of an element to YUV 180.3890, 9.6682, -67.8702 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(103, 216, 200) }
```



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

```
.border{ border-color:rgb(103, 216, 200) }
```

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

Here you see how a box with a 4 pixel rgb(103, 216, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 216, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 216, 200);  
box-shadow:4px 4px 4px 4px rgb(103, 216,  
200) }
```

# Background

The CSS property to change the background color of an element to YUV 180.3890, 9.6682, -67.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 216, 200) }
```

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

```
.background{ background-color: rgb(103,  
216, 200) }
```

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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