

# Converting Colors

YUV(170.1960, 2.3684,  
-59.8079)

Have a look what the booklet for  
YUV(170.1960, 2.3684, -59.8079)  
contains.

<b>YUV(170.1960, 2.3684, -59.8079)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(170.1960, 2.3684,  
-59.8079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CCAF
RGB	102, 204, 175
RGB Percent	40%, 80%, 69%
CMY	0.6000, 0.2000, 0.3137
CMYK	0.50, 0.00, 0.14, 0.20
HSL	163°, 50%, 60%
HSV	163°, 50%, 80%
XYZ	34.8102, 49.1057, 48.2011
YIQ	170.1960, -51.4830, -30.6430

# Conversions

## Conversions Part 2

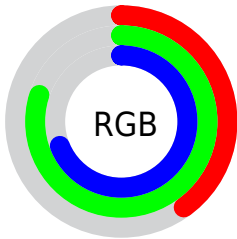
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 161, 204
Decimal	6737071
CIELab	75.52, -36.74, 5.36
CIElCh	76, 37.126, 171.698
Yxy	49.1057, 0.2635, 0.3717
Android (android.graphics.Color)	4284927151 (0xFF66CCAF)
YUV	170.1960, 2.3684, -59.8079
Hunter-Lab	70.0754, -33.9615, 8.2704

# Details

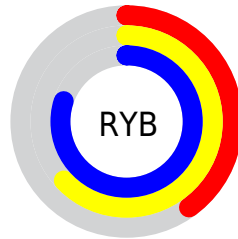
The YUV color **170.1960, 2.3684, -59.8079** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **135.8040, -2.3684, 59.8079**, and the grayscale version is **170.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **223.4460, 3.2311, -56.5191**, and **113.7440, 4.5632, -63.7965** is the 20% darker color. If you saturate the color by 10%, you get **163.5320, 2.6957, -71.5036**, and if you desaturate by 10%, it is **176.8600, 2.0410, -48.1122**.

# Distribution



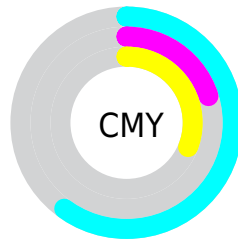
- Red (40%)
- Green (80%)
- Blue (69%)



- Red (40%)
- Yellow (63%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 170.1960, 2.3684, -59.8079 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 170.1960, 2.3684, -59.8079 by changing the saturation by 10% instead.



■ 170.1960, 2.3684,  
-59.8079

■ 170.1960, 2.3684,  
-59.8079

255.0000, 0.0000,  
0.0000

■ 142.0110, 2.9526,  
-60.5226

■ 223.4460, 3.2311,  
-56.5191

■ 113.7440, 4.5632,  
-63.7965

■ 234.9670, 9.8763,  
-41.1901

■ 83.3730, 7.2111,  
-73.1181

■ 243.6380, 5.6015,  
-23.3615

■ 65.3750, 4.2521,  
-57.3339

■ 252.6080, 1.1793,  
-4.9182

■ 48.6650, 1.1512,  
-42.6792

■ 32.1830, -1.0762,  
-28.2245

■ 17.1200, -5.4822,

-15.0142

■ 0.0000, 0.0000,  
0.0000

■ 170.1960, 2.3684,  
-59.8079

■ 170.1960, 2.3684,  
-59.8079

■ 163.5320, 2.6957,  
-71.5036

■ 176.8600, 2.0410,  
-48.1122

■ 156.5690, 3.1705,  
-83.8140

■ 183.8230, 1.5663,  
-35.8018

■ 150.0190, 3.9346,  
-95.6097

■ 190.3730, 0.8021,  
-24.0061

■ 143.0560, 4.4094,  
-107.9201

■ 197.3360, 0.3274,  
-11.6957

■ 136.3920, 4.7367,  
-119.6158

■ 204.0000, 0.0000,  
0.0000

■ 210.6640, -0.3274,  
11.6957

■ 217.6270, -0.8021,  
24.0061

■ 221.1870, -0.0922,  
29.6540

■ 221.8710, 2.5286,  
29.0541

# Harmonies

## Analogous

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



176.7580, -16.6427, -28.7288



170.1960, 2.3684, -59.8079



163.1230, 23.1104, -86.0539

# Triad

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



170.1960, 2.3684, -59.8079



187.5560, 30.2919, -9.2576



187.1360, -26.1960, 48.9927

# Complementary

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



170.1960, 2.3684, -59.8079



135.8040, -2.3684, 59.8079

# 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.



188.9210, -13.2721, 57.0743



170.1960, 2.3684, -59.8079



191.0890, 18.6901, 25.3549

# Square

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



170.1960, 2.3684, -59.8079



178.3230, 36.8158, -48.5183



190.8180, 3.0477, 49.2716



184.8810, -32.9723, 29.0454



# Rectangle

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



170.1960, 2.3684, -59.8079



163.3320, 32.8673, -88.8682



190.8180, 3.0477, 49.2716



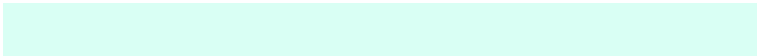
187.7820, -22.5705, 52.8112

# Sweetspot

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



170.1960, 2.3684, -59.8079



242.3840, 0.7967, -22.2618



171.1430, -34.0875, -33.4514



120.3250, 0.3328, -13.4400



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.



170.1960, 2.3684, -59.8079



204.3510, 3.7710, -89.7618



161.7620, 20.8233, -52.4113



98.6680, 0.1637, -5.8478



111.0080, 3.9401, -97.3540



25.3840, 0.7967, -22.2618



# Inverse Universe

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



135.8040, -2.3684, 59.8079



152.7630, -3.3342, 89.6618



144.2380, -20.8233, 52.4113



95.3320, -0.1637, 5.8478



54.9920, -3.9401, 97.3540

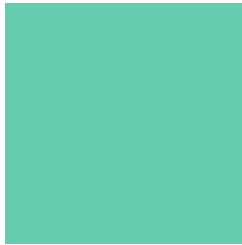


12.6160, -0.7967, 22.2618



# Previews

## White Background



This preview shows how the YUV color 170.1960, 2.3684, -59.8079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

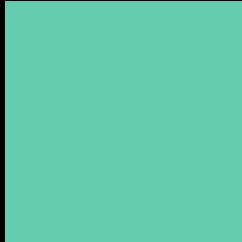
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 170.1960, 2.3684, -59.8079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

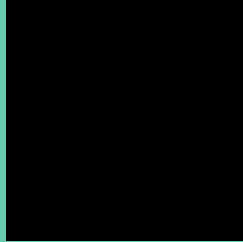
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

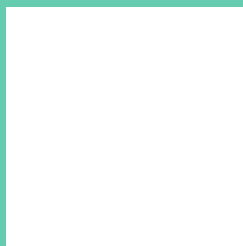
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 170.1960, 2.3684, -59.8079

## Background



This preview shows how black text looks on a background with the YUV color 170.1960, 2.3684, -59.8079.



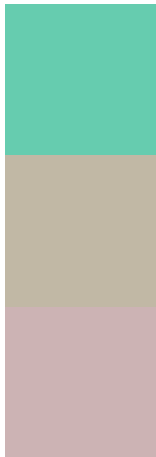
This preview shows how white text looks on a background with the YUV color 170.1960, 2.3684,

-59.8079.

# 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

170.1960, 2.3684, -59.8079

### Protanopia

184.5250, -9.6258, 7.4326

### Deuteranopia

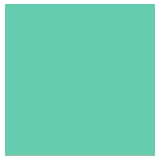
186.5890, -3.2484, 15.2694



## Tritanopia

174.7080, 19.3710, -53.2409

# Trichromacy



## Original Color

170.1960, 2.3684, -59.8079



## Protanomaly

179.2230, -5.0399, -16.8586



## Deuteranomaly

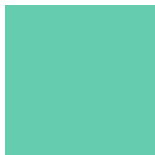
180.5810, -1.2724, -11.9105



## Tritanomaly

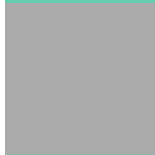
173.0900, 13.2666, -55.3299

# Monochromacy



## Original Color

170.1960, 2.3684, -59.8079



## Achromatopsia

170.0000, 0.0000, 0.0000



## Achromatomaly

169.7970, 1.0861, -21.7470

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 170.1960, 2.3684, -59.8079 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(102, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 175)  
}
```

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(102, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 175) }
```

## Border

The CSS property to change the border of an element to YUV 170.1960, 2.3684, -59.8079 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(102, 204, 175) }
```



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

```
.border{ border-color:rgb(102, 204, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
175) }
```

# Background

The CSS property to change the background color of an element to YUV 170.1960, 2.3684, -59.8079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 175) }
```

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

```
.background{ background-color: rgb(102,  
204, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor