

# Converting Colors

YUV(159.6620, 29.2536,  
-49.6926)

Have a look what the booklet for  
YUV(159.6620, 29.2536, -49.6926)  
contains.

<b>YUV(159.6620, 29.2536, -49.6926)</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(159.6620, 29.2536,  
-49.6926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67B1DB
RGB	103, 177, 219
RGB Percent	40%, 69%, 86%
CMY	0.5961, 0.3059, 0.1412
CMYK	0.53, 0.19, 0.00, 0.14
HSL	202°, 62%, 63%
HSV	202°, 53%, 86%
XYZ	34.1018, 39.4423, 72.8336
YIQ	159.6620, -57.5860, -2.6260

# Conversions

## Conversions Part 2

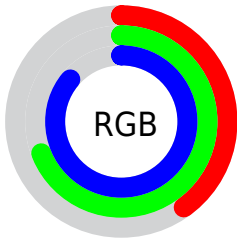
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 148, 219</a>
Decimal	<a href="#">6795739</a>
CIELab	<a href="#">69.07, -11.39, -28.24</a>
CIELCh	<a href="#">69, 30.451, 248.029</a>
Yxy	<a href="#">39.4423, 0.2330, 0.2695</a>
Android (android.graphics.Color)	<a href="#">4284985819 (0xFF67B1DB)</a>
YUV	<a href="#">159.6620, 29.2536, -49.6926</a>
Hunter-Lab	<a href="#">62.8031, -12.9807, -24.7972</a>

# Details

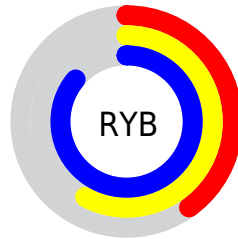
The YUV color **159.6620, 29.2536, -49.6926** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **162.3380, -29.2536, 49.6926**, and the grayscale version is **159.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **213.9800, 20.2229, -46.4635**, and **103.4440, 29.8541, -55.6404** is the 20% darker color. If you saturate the color by 10%, you get **148.3880, 34.8117, -59.0993**, and if you desaturate by 10%, it is **170.9360, 23.6956, -40.2859**.

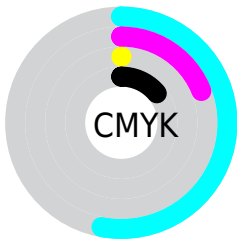
# Distribution



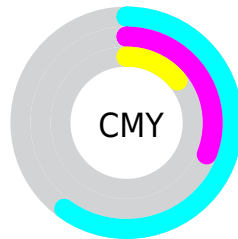
- Red (40%)
- Green (69%)
- Blue (86%)



- Red (40%)
- Yellow (58%)
- Blue (86%)



- Cyan (53%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (31%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 159.6620, 29.2536, -49.6926 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 159.6620, 29.2536, -49.6926 by changing the saturation by 10% instead.



■ 159.6620, 29.2536,  
-49.6926

■ 159.6620, 29.2536,  
-49.6926

255.0000, 0.0000,  
0.0000

■ 131.6510, 29.2591,  
-51.4369

■ 213.9800, 20.2229,  
-46.4635

■ 103.4440, 29.8541,  
-55.6404

■ 235.5650, 9.5815,  
-39.9605

■ 74.3180, 30.9022,  
-65.1769

■ 244.2360, 5.3067,  
-22.1320

■ 57.3800, 26.9277,  
-50.3223

■ 253.2060, 0.8844,  
-3.6887

■ 41.0290, 22.6637,  
-35.9824

■ 26.0800, 18.6946,  
-22.8722

■ 6.5490, 17.4773,

-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 159.6620, 29.2536,  
-49.6926

■ 159.6620, 29.2536,  
-49.6926

■ 148.3880, 34.8117,  
-59.0993

■ 170.9360, 23.6956,  
-40.2859

■ 137.1140, 40.3698,  
-68.5060

■ 182.2100, 18.1375,  
-30.8792

■ 125.8400, 45.9279,  
-77.9127

■ 193.4840, 12.5794,  
-21.4725

■ 114.5660, 51.4860,  
-87.3194

■ 204.7580, 7.0213,  
-12.0658

■ 107.1460, 55.1440,  
-93.9670

■ 215.7330, 1.6106,  
-3.2738

■ 227.0070, -3.9475,  
6.1329

■ 237.9820, -9.3581,  
14.9248

■ 242.0910,  
-11.3839, 11.3212

■ 246.7870,  
-13.6990, 7.2028

# Harmonies

## Analogous

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



153.4830, 23.9189, -65.3216



159.6620, 29.2536, -49.6926



167.3820, 27.4197, -21.3830

# Triad

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



159.6620, 29.2536, -49.6926



172.0210, -4.9404, 44.7086



162.8850, -19.1703, -11.3001

# Complementary

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



159.6620, 29.2536, -49.6926



162.3380, -29.2536, 49.6926

# 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.



166.3180, -25.7928, 12.8761



159.6620, 29.2536, -49.6926



170.8070, -17.1599, 44.0193

# Square

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



159.6620, 29.2536, -49.6926



173.0870, 8.3381, 32.3727



168.6670, -24.9788, 31.8640



158.8740, -5.8539, -35.8465



# Rectangle

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



159.6620, 29.2536, -49.6926



170.6620, 22.8446, -0.5806



168.6670, -24.9788, 31.8640



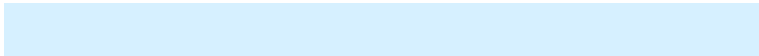
164.4300, -22.3970, -3.0081

# Sweetspot

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



159.6620, 29.2536, -49.6926



233.9360, 10.3846, -17.4839



175.7660, -15.6606, -63.8158



115.2420, 6.2897, -10.7362



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.



159.6620, 29.2536, -49.6926



171.6300, 41.1014, -69.8355



126.2030, 45.7489, -20.3490



104.3630, 2.7790, -4.7034



84.8790, 43.4437, -74.4389



22.2670, 11.7004, -19.5282



# Inverse Universe

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



146.1200, 15.2238, 63.9158



152.5930, 21.3997, 89.8109



195.7970, -45.7489, 20.3490



103.0870, 1.4361, 6.0627



64.3810, 22.9832, 95.2589

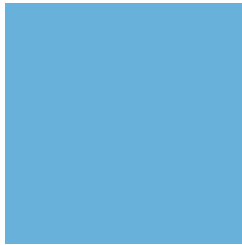


17.0600, 5.8864, 25.3804



# Previews

## White Background



This preview shows how the YUV color 159.6620, 29.2536, -49.6926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

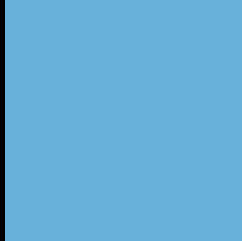
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 159.6620, 29.2536, -49.6926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

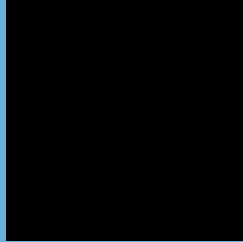
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 159.6620, 29.2536, -49.6926

## Background



This preview shows how black text looks on a background with the YUV color 159.6620, 29.2536, -49.6926.



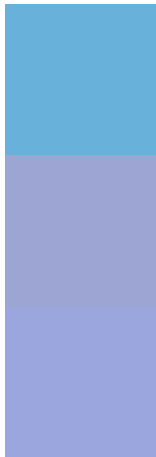
This preview shows how white text looks on a background with the YUV color 159.6620, 29.2536, -49.6926.

-49.6926.

# 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

159.6620, 29.2536, -49.6926

### Protanopia

168.4390, 20.9826, -10.0320

### Deuteranopia

168.5080, 26.3716, -11.8465



## Tritanopia

156.9960, 19.2290, -54.3705

# Trichromacy



## Original Color

159.6620, 29.2536, -49.6926

## Protanomaly

165.1490, 24.0835, -24.6867

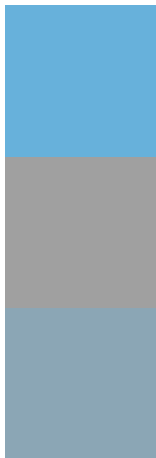
## Deuteranomaly

165.0610, 27.5779, -25.4865

## Tritanomaly

158.2180, 22.5705, -52.8112

# Monochromacy



## Original Color

159.6620, 29.2536, -49.6926

## Achromatopsia

160.0000, 0.0000, 0.0000

## Achromatomaly

159.6370, 10.5320, -18.0986

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 159.6620, 29.2536, -49.6926 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, 177, 219)` looks like.

```
.text, #text, p{  
    color:rgb(103, 177, 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(103, 177, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 177, 219) }
```

## Border

The CSS property to change the border of an element to YUV 159.6620, 29.2536, -49.6926 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".

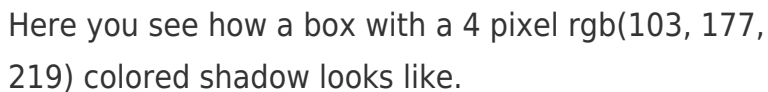
```
.border, #border, table{ border:4px solid rgb(103, 177, 219) }
```



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

```
.border{ border-color:rgb(103, 177, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 177, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 177, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 177, 219); box-shadow:4px 4px 4px 4px rgb(103, 177, 219) }
```

# Background

The CSS property to change the background color of an element to YUV 159.6620, 29.2536, -49.6926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 177, 219) }
```

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

```
.background{ background-color: rgb(103,  
177, 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](#).

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