

# Converting Colors

YUV(109.5860, -49.0959,  
20.5341)

Have a look what the booklet for  
YUV(109.5860, -49.0959, 20.5341)  
contains.

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# Color

**YUV(109.5860, -49.0959,  
20.5341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85750A
RGB	133, 117, 10
RGB Percent	52%, 46%, 4%
CMY	0.4784, 0.5412, 0.9608
CMYK	0.00, 0.12, 0.92, 0.48
HSL	52°, 86%, 28%
HSV	52°, 92%, 52%
XYZ	16.0889, 17.7310, 2.8616
YIQ	109.5860, 43.8830, -29.8850

# Conversions

## Conversions Part 2

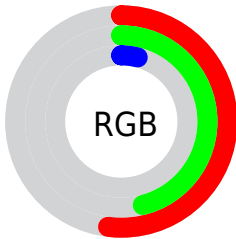
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 133, 10
Decimal	8746250
CIE Lab	49.17, -4.31, 52.90
CIE LCh	49, 53.071, 94.658
Yxy	17.7310, 0.4386, 0.4834
Android (android.graphics.Color)	4286936330 (0xFF85750A)
YUV	109.5860, -49.0959, 20.5341
Hunter-Lab	42.1082, -5.4872, 25.4465

# Details

The YUV color **109.5860, -49.0959, 20.5341** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **33.4140, 49.0959, -20.5341**, and the grayscale version is **110.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.8790, -46.7753, 22.9081**, and **64.4230, -31.7605, 13.6610** is the 20% darker color. If you saturate the color by 10%, you get **107.8590, -53.1745, 22.0487**, and if you desaturate by 10%, it is **112.2420, -43.9963, 18.2048**.

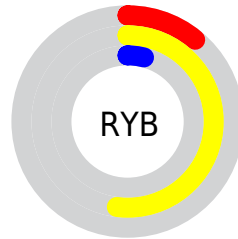
# Distribution



Red (52%)

Green (46%)

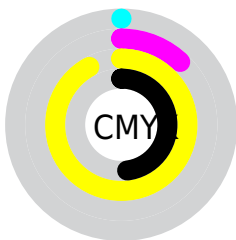
Blue (4%)



Red (11%)

Yellow (52%)

Blue (4%)

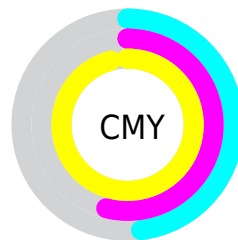


Cyan (0%)

Magenta (12%)

Yellow (92%)

Black (48%)



Cyan (48%)

Magenta (54%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 109.5860, -49.0959, 20.5341 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 109.5860, -49.0959, 20.5341 by changing the saturation by 10% instead.



■ 109.5860,  
-49.0959, 20.5341

■ 109.5860,  
-49.0959, 20.5341

■ 255.0000, 0.0000,  
0.0000

■ 86.2850, -42.5385,  
17.2901

■ 163.8790,  
-46.7753, 22.9081

■ 64.4230, -31.7605,  
13.6610

■ 191.3630,  
-47.5070, 24.2376

■ 43.4360, -21.4139,  
8.3876

■ 219.4340,  
-48.5280, 25.0524

■ 24.5200, -12.0884,  
3.9290

■ 241.0410,  
-45.8692, 12.2420

■ 0.0000, 0.0000,  
0.0000

■ 245.8800,  
-34.9438, 7.9982

■ 249.0720,

-22.7135, 5.1989

■ 252.3780,  
-10.0464, 2.2995

■ 109.5860,  
-49.0959, 20.5341

■ 109.5860,  
-49.0959, 20.5341

■ 107.8590,  
-53.1745, 22.0487

■ 112.2420,  
-43.9963, 18.2048

■ 114.4250,  
-38.1705, 16.2903

■ 117.0810,  
-33.0709, 13.9610

■ 119.7370,  
-27.9713, 11.6317

■ 122.3930,  
-22.8717, 9.3023

■ 124.5760,  
-17.0460, 7.3878

■ 127.2320,  
-11.9464, 5.0585

■ 129.8880, -6.8468,  
2.7292

■ 132.6580, -1.3104,  
0.2999

# Harmonies

## Analogous

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



112.8790, -39.8733, 49.2181



109.5860, -49.0959, 20.5341



105.4270, -34.7205, -17.0375

# Triad

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



109.5860, -49.0959, 20.5341



99.4570, 33.2987, -87.2238



118.5420, 18.4668, 50.3907

# Complementary

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



109.5860, -49.0959, 20.5341



33.4140, 49.0959, -20.5341

# 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.



119.6210, 35.1898, 6.4714



109.5860, -49.0959, 20.5341



100.0560, 48.2864, -87.7491

# Square

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



109.5860, -49.0959, 20.5341



95.0280, 13.7902, -83.3396



94.0380, 55.6903, -82.4713



114.5220, -1.2433, 72.3332



# Rectangle

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



109.5860, -49.0959, 20.5341



97.6860, -17.5932, -50.5906



94.0380, 55.6903, -82.4713



119.7730, 24.7619, 37.9101

# Sweetspot

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



109.5860, -49.0959, 20.5341



164.0060, -19.2300, 7.8877



48.6010, -11.1423, 74.0179



81.2320, -11.9464, 5.0585



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



109.5860, -49.0959, 20.5341



140.3640, -69.1995, 28.6218



105.5230, -47.0928, -15.3677



64.7290, -2.3314, 1.1147



105.2010, -51.8641, 21.7487



2.0710, -1.0210, 0.8147



# Inverse Universe

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



33.4140, 49.0959, -20.5341



33.2230, 68.9101, -29.1366



37.4770, 47.0928, 15.3677



61.2710, 2.3314, -1.1147



24.7990, 51.8641, -21.7487

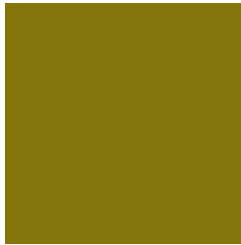


0.3420, 1.3104, -0.2999



# Previews

## White Background



This preview shows how the YUV color 109.5860, -49.0959, 20.5341 looks on a white 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 × Fail



# Black Background



This preview shows how the YUV color 109.5860, -49.0959, 20.5341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

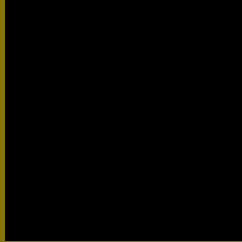
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 109.5860, -49.0959, 20.5341 Background



This preview shows how black text looks on a background with the YUV color 109.5860, -49.0959, 20.5341.



This preview shows how white text looks on a background with the YUV color 109.5860, -49.0959, 20.5341.



# 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

109.5860, -49.0959, 20.5341

### Protanopia

109.2870, -48.9485, 19.9193

### Deuteranopia

111.3470, -46.5131, 32.1447



## Tritanopia

119.1810, -1.0752, 18.2583

# Trichromacy



## Original Color

109.5860, -49.0959, 20.5341

## Protanomaly

109.2870, -48.9485, 19.9193

## Deuteranomaly

110.6840, -47.6652, 28.3411

## Tritanomaly

115.5990, -18.5363, 18.7687

# Monochromacy



## Original Color

109.5860, -49.0959, 20.5341

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

110.0490, -17.7722, 6.9730

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.5860, -49.0959, 20.5341 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, 117, 10)` looks like.

```
.text, #text, p{  
    color:rgb(133, 117, 10)  
}
```

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, 117, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 117, 10) }
```

## Border

The CSS property to change the border of an element to YUV 109.5860, -49.0959, 20.5341 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, 117, 10) }
```



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

```
.border{ border-color:rgb(133, 117, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 117, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 117, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 117, 10);  
box-shadow:4px 4px 4px 4px rgb(133, 117,  
10) }
```

# Background

The CSS property to change the background color of an element to YUV 109.5860, -49.0959, 20.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 117, 10) }
```

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

```
.background{ background-color: rgb(133,  
117, 10) }
```

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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