

# Converting Colors

YUV(54.8780, 52.3181, 19.4010)

Have a look what the booklet for  
YUV(54.8780, 52.3181, 19.4010)  
contains.

<b>YUV(54.8780, 52.3181, 19.4010)</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(54.8780, 52.3181,  
19.4010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D17A1
RGB	77, 23, 161
RGB Percent	30%, 9%, 63%
CMY	0.6980, 0.9098, 0.3686
CMYK	0.52, 0.86, 0.00, 0.37
HSL	263°, 75%, 36%
HSV	263°, 86%, 63%
XYZ	9.8000, 4.7638, 34.1212
YIQ	54.8780, -12.1140, 54.3660

# Conversions

## Conversions Part 2

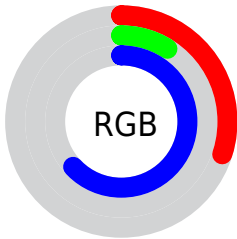
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	77, 23, 161
Decimal	5052321
CIE Lab	26.05, 53.20, -63.35
CIE LCh	26, 82.725, 310.027
Yxy	4.7638, 0.2013, 0.0978
Android (android.graphics.Color)	4283242401 (0xFF4D17A1)
YUV	54.8780, 52.3181, 19.4010
Hunter-Lab	21.8261, 41.9514, -77.4111

# Details

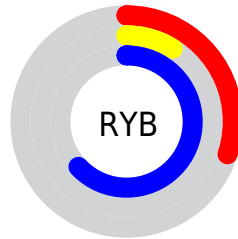
The YUV color **54.8780, 52.3181, 19.4010** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **129.1220, -52.3181, -19.4010**, and the grayscale version is **54.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **109.7150, 52.8915, 22.1749**, and **12.3120, 47.1742, -10.7976** is the 20% darker color. If you saturate the color by 10%, you get **42.4960, 58.4225, 21.4900**, and if you desaturate by 10%, it is **67.2600, 46.2138, 17.3120**.

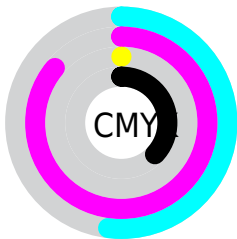
# Distribution



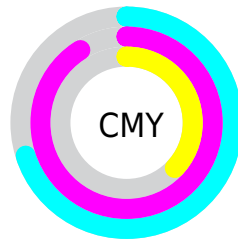
- Red (30%)
- Green (9%)
- Blue (63%)



- Red (30%)
- Yellow (9%)
- Blue (63%)



- Cyan (52%)
- Magenta (86%)
- Yellow (0%)
- Black (37%)



- Cyan (70%)
- Magenta (91%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 54.8780, 52.3181, 19.4010 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 54.8780, 52.3181, 19.4010 by changing the saturation by 10% instead.



■ 54.8780, 52.3181,  
19.4010

■ 54.8780, 52.3181,  
19.4010

■ 255.0000, 0.0000,  
0.0000

■ 29.0300, 51.7502,  
14.8827

■ 109.7150, 52.8915,  
22.1749

■ 12.3120, 47.1742,  
-10.7976

■ 136.9540, 53.7597,  
23.7193

■ 9.4620, 36.2542,  
-8.2982

■ 161.9130, 45.8919,  
27.2633

■ 10.2480, 24.0347,  
-8.9875

■ 186.4330, 33.8035,  
31.1923

■ 5.2780, 15.1459,  
-4.6288

■ 211.8390, 21.2784,  
35.2212


■ 1.3680, 5.2416,  
-1.1997


■ 229.1720, 12.7332,


■ 0.0000, 0.0000,


22.6512


0.0000


 246.1950, 4.3409,  
7.7220


 54.8780, 52.3181,  
19.4010


 54.8780, 52.3181,  
19.4010


 42.4960, 58.4225,  
21.4900

 67.2600, 46.2138,  
17.3120

 37.1910, 61.0378,  
22.6345

 79.6420, 40.1095,  
15.2230

 91.7250, 34.1526,  
12.5192

 104.1070, 28.0482,  
10.4302

 117.0760, 21.6545,  
7.8263

■ 129.4580, 15.5502,  
5.7373

■ 141.8400, 9.4459,  
3.6483

■ 153.9230, 3.4890,  
0.9445

■ 166.3050, -2.6154,  
-1.1445

# Harmonies

## Analogous

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



60.5160, 64.3286, -53.0725



54.8780, 52.3181, 19.4010



55.7380, 24.7792, 79.1598

# Triad

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



54.8780, 52.3181, 19.4010



56.0710, -27.6430, 46.4187



58.0690, 11.7980, -50.9265

# Complementary

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



54.8780, 52.3181, 19.4010



129.1220, -52.3181, -19.4010

# 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.



48.8010, -18.6359, -42.7985



54.8780, 52.3181, 19.4010



55.7850, -27.5020, 1.0656

# Square

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



54.8780, 52.3181, 19.4010



43.6540, -21.5214, 89.7574



45.1990, -22.2831, -39.6395



65.6100, 38.1533, -57.5400



# Rectangle

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



54.8780, 52.3181, 19.4010



55.5490, 4.6593, 92.4805



45.1990, -22.2831, -39.6395



54.9740, 2.4778, -48.2122

# Sweetspot

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



54.8780, 52.3181, 19.4010



167.4350, 20.4915, 7.5115



88.6270, 35.6799, -57.5549



79.6490, 12.4980, 4.6928



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



54.8780, 52.3181, 19.4010



48.3440, 79.2034, 29.5163



75.2100, 42.2945, 61.2058



75.2220, 3.3416, 1.5593



33.5730, 54.9335, 20.5455



4.1450, 6.8305, 2.5038



# Inverse Universe

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



73.8380, 16.3489, 76.4411



76.9690, 24.6653, 115.7912



108.7900, -42.2945, -61.2058



76.2610, 0.8573, 5.0331



53.3870, 17.0642, 80.3446

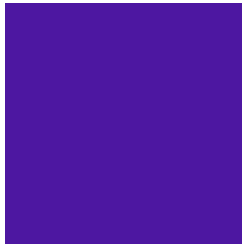


6.6360, 2.1515, 9.9662



# Previews

## White Background



This preview shows how the YUV color 54.8780, 52.3181, 19.4010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

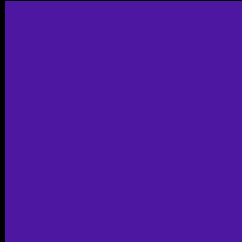
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 54.8780, 52.3181, 19.4010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

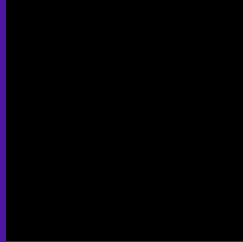
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 54.8780, 52.3181, 19.4010

## Background



This preview shows how black text looks on a background with the YUV color 54.8780, 52.3181, 19.4010.



This preview shows how white text looks on a background with the YUV color 54.8780, 52.3181,



# 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

54.8780, 52.3181, 19.4010

### Protanopia

50.2850, 37.8205, -44.0999

### Deuteranopia

50.5810, 28.8006, -44.3595



## Tritanopia

60.9000, 4.9793, -10.4363

# Trichromacy



## Original Color

54.8780, 52.3181, 19.4010

## Protanomaly

51.8070, 42.9861, -20.8787

## Deuteranomaly

52.3140, 37.3132, -21.3234

## Tritanomaly

58.8470, 22.2604, 0.1342

# Monochromacy



## Original Color

54.8780, 52.3181, 19.4010

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

54.7940, 19.3286, 7.1967

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 54.8780, 52.3181, 19.4010 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(77, 23, 161)` looks like.

```
.text, #text, p{  
    color:rgb(77, 23, 161)  
}
```

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(77, 23, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 23, 161) }
```

## Border

The CSS property to change the border of an element to YUV 54.8780, 52.3181, 19.4010 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(77, 23, 161) }
```



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

```
.border{ border-color:rgb(77, 23, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 23, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 23, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 23, 161);  
box-shadow:4px 4px 4px 4px rgb(77, 23,  
161) }
```

# Background

The CSS property to change the background color of an element to YUV 54.8780, 52.3181, 19.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 23, 161) }
```

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

```
.background{ background-color: rgb(77, 23,  
161) }
```

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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