

# Converting Colors

YUV(56.1700, 56.1182, 13.8829)

Have a look what the booklet for  
YUV(56.1700, 56.1182, 13.8829)  
contains.

<b>YUV(56.1700, 56.1182, 13.8829)</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(56.1700, 56.1182,  
13.8829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	481AAA
RGB	72, 26, 170
RGB Percent	28%, 10%, 67%
CMY	0.7176, 0.8980, 0.3333
CMYK	0.58, 0.85, 0.00, 0.33
HSL	259°, 73%, 38%
HSV	259°, 85%, 67%
XYZ	10.2976, 5.0188, 38.4562
YIQ	56.1700, -18.8080, 54.5360

# Conversions

## Conversions Part 2

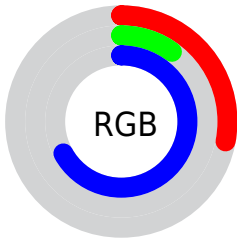
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 26, 170
Decimal	4725418
CIE <sub>Lab</sub>	26.79, 53.93, -67.60
CIE <sub>LCh</sub>	27, 86.476, 308.582
Yxy	5.0188, 0.1915, 0.0933
Android (android.graphics.Color)	4282915498 (0xFF481AAA)
YUV	56.1700, 56.1182, 13.8829
Hunter-Lab	22.4026, 42.8445, -86.0948

# Details

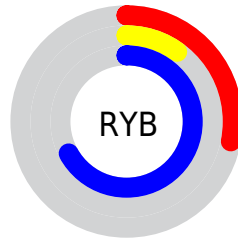
The YUV color **56.1700, 56.1182, 13.8829** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **139.8300, -56.1182, -13.8829**, and the grayscale version is **56.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **111.1320, 57.1229, 18.3012**, and **13.2240, 50.6686, -11.5974** is the 20% darker color. If you saturate the color by 10%, you get **42.6030, 62.8067, 15.2572**, and if you desaturate by 10%, it is **69.7370, 49.4297, 12.5087**.

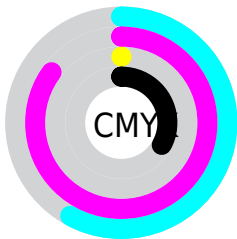
# Distribution



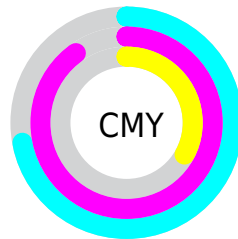
- Red (28%)
- Green (10%)
- Blue (67%)



- Red (28%)
- Yellow (10%)
- Blue (67%)



- Cyan (58%)
- Magenta (85%)
- Yellow (0%)
- Black (33%)



- Cyan (72%)
- Magenta (90%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 56.1700, 56.1182, 13.8829 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 56.1700, 56.1182, 13.8829 by changing the saturation by 10% instead.



■ 56.1700, 56.1182,  
13.8829

■ 56.1700, 56.1182,  
13.8829

■ 255.0000, 0.0000,  
0.0000

■ 27.3650, 57.0081,  
8.4499

■ 111.1320, 57.1229,  
18.3012

■ 13.2240, 50.6686,  
-11.5974

■ 138.2570, 57.5543,  
19.9456

■ 10.3740, 39.7486,  
-9.0980

■ 162.1900, 45.7553,  
24.3894

■ 11.6330, 26.8029,  
-10.2021

■ 187.0090, 33.5196,  
28.9331

■ 6.6630, 17.9141,  
-5.8435

■ 212.4150, 20.9944,  
32.9620

■ 2.9810, 8.8834,  
-2.6143

■ 230.3460, 12.1544,

■ 0.0000, 0.0000,

21.6216

0.0000

247.3690, 3.7621,  
6.6924

56.1700, 56.1182,  
13.8829

56.1700, 56.1182,  
13.8829

42.6030, 62.8067,  
15.2572

69.7370, 49.4297,  
12.5087

35.5260, 66.2957,  
16.2017

83.0050, 42.8885,  
10.5196

96.5720, 36.2000,  
9.1454

109.8400, 29.6589,  
7.1563

123.4070, 22.9703,  
5.7821

■ 136.6750, 16.4292,  
3.7930

■ 150.2420, 9.7407,  
2.4188

■ 163.8090, 3.0522,  
1.0445

■ 177.0770, -3.4890,  
-0.9445

# Harmonies

## Analogous

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



63.3030, 67.3916, -55.5167



56.1700, 56.1182, 13.8829



57.4330, 27.3945, 80.3043

# Triad

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



56.1700, 56.1182, 13.8829



57.2780, -28.2381, 50.6222



59.2430, 11.2192, -51.9561

# Complementary

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



56.1700, 56.1182, 13.8829



139.8300, -56.1182, -13.8829

# 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.



49.0630, -22.7091, -43.0283



56.1700, 56.1182, 13.8829



57.5680, -28.3810, 3.0099

# Square

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



56.1700, 56.1182, 13.8829



45.7470, -22.5533, 94.0609



46.3730, -22.8619, -40.6691



67.2400, 39.3217, -58.9695



# Rectangle

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



56.1700, 56.1182, 13.8829



57.6140, 6.1063, 95.0545



46.3730, -22.8619, -40.6691



56.0340, 1.4622, -49.1418

# Sweetspot

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



56.1700, 56.1182, 13.8829



177.7660, 21.8074, 5.4672



99.9420, 34.5386, -64.8471



85.7520, 12.9403, 2.8485



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



56.1700, 56.1182, 13.8829



46.5370, 86.5033, 21.4541



77.6980, 45.5049, 58.1469



77.5100, 3.1996, 0.4297



30.9250, 57.7180, 14.0978



4.3730, 7.7041, 2.3039



# Inverse Universe

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



80.2280, 21.5796, 78.7300



83.5920, 33.2321, 121.3838



118.3020, -45.5049, -58.1469



78.9620, 1.0047, 4.4183



55.7660, 22.3004, 80.8892

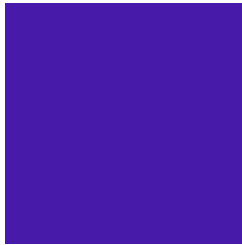


7.5760, 3.1670, 10.8958



# Previews

## White Background



This preview shows how the YUV color 56.1700, 56.1182, 13.8829 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 56.1700, 56.1182, 13.8829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

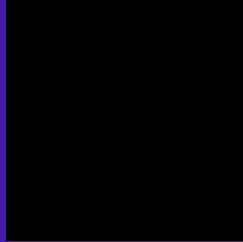
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 56.1700, 56.1182, 13.8829

## Background



This preview shows how black text looks on a background with the YUV color 56.1700, 56.1182, 13.8829.



This preview shows how white text looks on a background with the YUV color 56.1700, 56.1182,



# 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

56.1700, 56.1182, 13.8829

### Protanopia

51.2140, 38.8415, -44.9147

### Deuteranopia

51.3960, 29.3848, -45.0743



## Tritanopia

59.2190, 7.7800, -22.1171

# Trichromacy



## Original Color

56.1700, 56.1182, 13.8829

## Protanomaly

53.0670, 45.3230, -23.7378

## Deuteranomaly

52.7590, 39.0658, -23.4676

## Tritanomaly

58.0030, 25.6345, -8.7726

# Monochromacy



## Original Color

56.1700, 56.1182, 13.8829

## Achromatopsia

56.0000, 0.0000, 0.0000

## Achromatomaly

56.0110, 20.2076, 5.2524

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 56.1700, 56.1182, 13.8829 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(72, 26, 170)` looks like.

```
.text, #text, p{  
    color:rgb(72, 26, 170)  
}
```

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(72, 26, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 26, 170) }
```

## Border

The CSS property to change the border of an element to YUV 56.1700, 56.1182, 13.8829 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(72, 26, 170) }
```



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

```
.border{ border-color:rgb(72, 26, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 26, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 26, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 26, 170);  
box-shadow:4px 4px 4px 4px rgb(72, 26,  
170) }
```

# Background

The CSS property to change the background color of an element to YUV 56.1700, 56.1182, 13.8829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 26, 170) }
```

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

```
.background{ background-color: rgb(72, 26,  
170) }
```

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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