

# Converting Colors

YUV(51.3990, 18.5373, 27.7141)

Have a look what the booklet for  
YUV(51.3990, 18.5373, 27.7141)  
contains.

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# Color

**YUV(51.3990, 18.5373,  
27.7141)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	531C59
RGB	83, 28, 89
RGB Percent	33%, 11%, 35%
CMY	0.6745, 0.8902, 0.6510
CMYK	0.07, 0.69, 0.00, 0.65
HSL	294°, 52%, 23%
HSV	294°, 69%, 35%
XYZ	5.7857, 3.3908, 9.8007
YIQ	51.3990, 13.1990, 30.6310

# Conversions

## Conversions Part 2

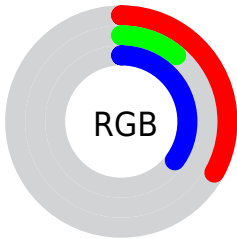
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 28, 89
Decimal	5446745
CIELab	21.55, 34.85, -24.90
CIElCh	22, 42.833, 324.459
Yxy	3.3908, 0.3049, 0.1787
Android (android.graphics.Color)	4283636825 (0xFF531C59)
YUV	51.3990, 18.5373, 27.7141
Hunter-Lab	18.4141, 23.8602, -18.6668

# Details

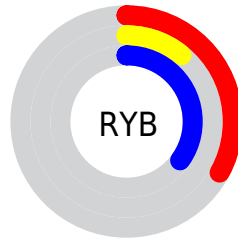
The YUV color **51.3990, 18.5373, 27.7141** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **65.6010, -18.5373, -27.7141**, and the grayscale version is **51.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.8230, 18.8213, 29.9732**, and **16.2640, 13.1808, 19.0625** is the 20% darker color. If you saturate the color by 10%, you get **45.8170, 21.2892, 31.7325**, and if you desaturate by 10%, it is **56.9810, 15.7854, 23.6957**.

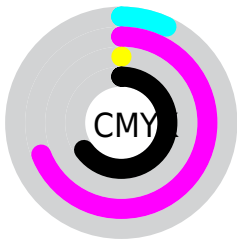
# Distribution



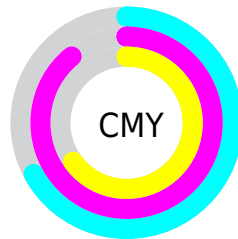
- Red (33%)
- Green (11%)
- Blue (35%)



- Red (33%)
- Yellow (11%)
- Blue (35%)



- Cyan (7%)
- Magenta (69%)
- Yellow (0%)
- Black (65%)



- Cyan (67%)
- Magenta (89%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 51.3990, 18.5373, 27.7141 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 51.3990, 18.5373, 27.7141 by changing the saturation by 10% instead.



■ 51.3990, 18.5373,  
27.7141

■ 51.3990, 18.5373,  
27.7141

■ 255.0000, 0.0000,  
0.0000

■ 25.9260, 19.2635,  
28.1289

■ 100.8230, 18.8213,  
29.9732

■ 16.2640, 13.1808,  
19.0625

■ 126.3500, 19.5475,  
30.3881

■ 2.9810, 8.8834,  
-2.6143

■ 153.0620, 19.6894,  
31.5176


■ 0.0000, 0.0000,  
0.0000


■ 180.4750, 19.9788,  
32.0324


■ 208.3010, 20.5576,  
33.0620


■ 227.9980, 13.3120,


23.6808


 244.4340, 5.2090,  
9.2664


 51.3990, 18.5373,  
27.7141

 51.3990, 18.5373,  
27.7141


 45.8170, 21.2892,  
31.7325


 56.9810, 15.7854,  
23.6957

 40.2350, 24.0411,  
35.7509


 62.5630, 13.0334,  
19.6772

 34.6530, 26.7931,  
39.7693

 68.1450, 10.2815,  
15.6588

 34.0660, 27.0825,  
40.2841

 73.7270, 7.5296,  
11.6404

 79.0100, 4.9251,  
7.0072

■ 84.0050, 2.4625,  
3.5036

■ 89.5870, -0.2894,  
-0.5148

■ 95.1690, -3.0413,  
-4.5332

■ 100.7510, -5.7932,  
-8.5516

# Harmonies

## Analogous

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



49.4090, 29.8714, -14.3907



51.3990, 18.5373, 27.7141



42.2190, 8.2730, 53.3049

# Triad

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



51.3990, 18.5373, 27.7141



49.1060, -24.2093, 18.3240



46.9330, 14.8230, -41.1602

# Complementary

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



51.3990, 18.5373, 27.7141



65.6010, -18.5373, -27.7141

# 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.



43.2850, 0.8455, -37.9609



51.3990, 18.5373, 27.7141



45.4190, -22.3916, -4.7525

# Square

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



51.3990, 18.5373, 27.7141



47.4660, -23.4007, 39.0563



37.5340, -13.5743, -32.9173



48.7230, 26.7586, -42.7301



# Rectangle

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



51.3990, 18.5373, 27.7141



41.3090, -1.6313, 56.7340



37.5340, -13.5743, -32.9173



45.7930, 10.4551, -40.1605

# Sweetspot

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



51.3990, 18.5373, 27.7141



100.0150, 7.3876, 10.5108



38.4760, 24.9083, -9.1875



49.5970, 4.6357, 6.4924



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



51.3990, 18.5373, 27.7141



56.8320, 28.6768, 42.2433



50.4570, 7.1697, 33.8022



40.6520, 1.1576, 2.0592



41.2010, 32.4389, 48.9357



90.1780, 71.3972, 106.8379



# Inverse Universe

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



46.9230, -6.3710, 36.9015



50.1320, -9.9251, 56.8892



66.5430, -7.1697, -33.8022



40.1960, -0.5896, 2.4591



33.2470, -10.9678, 64.6814

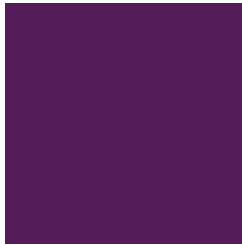


72.8870, -24.5943, 142.1731



# Previews

## White Background



This preview shows how the YUV color 51.3990, 18.5373, 27.7141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

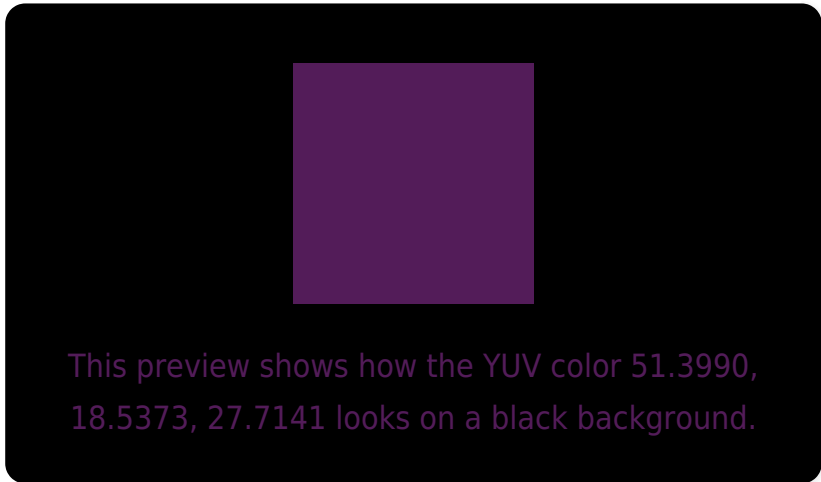
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

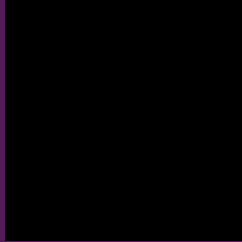
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 51.3990, 18.5373, 27.7141

## Background



This preview shows how black text looks on a background with the YUV color 51.3990, 18.5373, 27.7141.



This preview shows how white text looks on a background with the YUV color 51.3990, 18.5373,



# 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

51.3990, 18.5373, 27.7141

### Protanopia

42.2490, 32.4152, -37.0524

### Deuteranopia

50.9670, 16.7783, -14.8801



## Tritanopia

53.1060, -3.9963, 21.8320

# Trichromacy



## Original Color

51.3990, 18.5373, 27.7141

## Protanomaly

45.7250, 27.2506, -13.7908

## Deuteranomaly

51.1800, 17.1663, 0.7191

## Tritanomaly

52.5930, 4.1447, 24.0359

# Monochromacy



## Original Color

51.3990, 18.5373, 27.7141

## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

51.4880, 6.6614, 10.0960

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 51.3990, 18.5373, 27.7141 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(83, 28, 89)` looks like.

```
.text, #text, p{  
    color:rgb(83, 28, 89)  
}
```

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(83, 28, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 28, 89) }
```

## Border

The CSS property to change the border of an element to YUV 51.3990, 18.5373, 27.7141 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(83, 28, 89) }
```



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

```
.border{ border-color:rgb(83, 28, 89) }
```

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

Here you see how a box with a 4 pixel rgb(83, 28, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 28, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 28, 89);  
box-shadow:4px 4px 4px 4px rgb(83, 28, 89)  
}
```

# Background

The CSS property to change the background color of an element to YUV 51.3990, 18.5373, 27.7141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 28, 89) }
```

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

```
.background{ background-color: rgb(83, 28,  
89) }
```

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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