

# Converting Colors

YUV(53.9880, 28.5999, 20.1815)

Have a look what the booklet for  
YUV(53.9880, 28.5999, 20.1815)  
contains.

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# Color

**YUV(53.9880, 28.5999,  
20.1815)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D1F70
RGB	77, 31, 112
RGB Percent	30%, 12%, 44%
CMY	0.6980, 0.8784, 0.5608
CMYK	0.31, 0.72, 0.00, 0.56
HSL	274°, 57%, 28%
HSV	274°, 72%, 44%
XYZ	6.4752, 3.7276, 15.7075
YIQ	53.9880, 1.4150, 34.9430

# Conversions

## Conversions Part 2

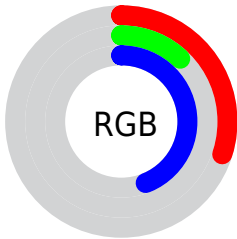
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>77, 31, 112</b>
Decimal	5054320
CIE Lab	22.75, 37.18, -38.08
CIE LCh	23, 53.226, 314.316
Yxy	3.7276, 0.2499, 0.1439
Android (android.graphics.Color)	4283244400 (0xFF4D1F70)
YUV	53.9880, 28.5999, 20.1815
Hunter-Lab	19.3070, 26.0781, -34.7212

# Details

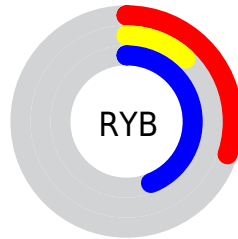
The YUV color **53.9880, 28.5999, 20.1815** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **89.0120, -28.5999, -20.1815**, and the grayscale version is **54.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.6400, 29.7575, 22.2407**, and **15.8530, 23.2435, 11.5299** is the 20% darker color. If you saturate the color by 10%, you get **46.0360, 32.5203, 22.7704**, and if you desaturate by 10%, it is **61.9400, 24.6796, 17.5926**.

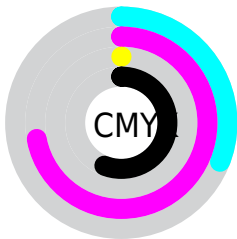
# Distribution



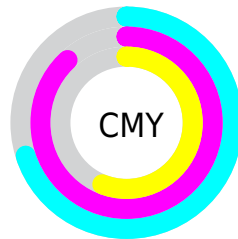
- Red (30%)
- Green (12%)
- Blue (44%)



- Red (30%)
- Yellow (12%)
- Blue (44%)



- Cyan (31%)
- Magenta (72%)
- Yellow (0%)
- Black (56%)



- Cyan (70%)
- Magenta (88%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 53.9880, 28.5999, 20.1815 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 53.9880, 28.5999, 20.1815 by changing the saturation by 10% instead.



■ 53.9880, 28.5999,  
20.1815

■ 53.9880, 28.5999,  
20.1815

■ 255.0000, 0.0000,  
0.0000

■ 28.4010, 28.8893,  
20.6963

■ 103.6400, 29.7575,  
22.2407

■ 15.8530, 23.2435,  
11.5299

■ 129.5800, 30.7731,  
23.1703

■ 4.6740, 17.9087,  
-4.0991

■ 156.4060, 31.3518,  
24.1999

■ 2.6390, 7.5730,  
-2.3144


■ 183.3460, 32.3674,  
25.1296


■ 0.0000, 0.0000,  
0.0000


■ 209.1370, 22.6105,  
27.9439


■ 229.7590, 12.4438,

22.1364


 246.1950, 4.3409,  
7.7220


 53.9880, 28.5999,  
20.1815


 53.9880, 28.5999,  
20.1815


 46.0360, 32.5203,  
22.7704


 61.9400, 24.6796,  
17.5926


 38.0840, 36.4406,  
25.3593

 69.8920, 20.7592,  
15.0037

 31.9040, 39.4873,  
28.1482

 78.4310, 16.5495,  
11.9000

 86.0840, 12.7766,  
8.6963

 94.0360, 8.8563,  
6.1074

■ 101.9880, 4.9359,  
3.5185

■ 109.9400, 1.0156,  
0.9296

■ 118.4790, -3.1941,  
-2.1741

■ 126.4310, -7.1145,  
-4.7630

# Harmonies

## Analogous

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



46.2730, 42.7564, -40.5814



53.9880, 28.5999, 20.1815



42.2660, 17.1239, 61.1567

# Triad

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



53.9880, 28.5999, 20.1815



51.8300, -25.5522, 29.0901



49.4120, 11.6289, -43.3343

# Complementary

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



53.9880, 28.5999, 20.1815



89.0120, -28.5999, -20.1815

# 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.



44.0370, -6.4272, -38.6204



53.9880, 28.5999, 20.1815



49.5830, -24.4444, 0.3657

# Square

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



53.9880, 28.5999, 20.1815



44.0430, -21.7132, 57.8443



38.7420, -19.0998, -33.9767



53.6300, 27.7904, -47.0335



# Rectangle

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



53.9880, 28.5999, 20.1815



41.6940, 4.5879, 68.6744



38.7420, -19.0998, -33.9767



47.8160, 5.5137, -41.9346

# Sweetspot

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



53.9880, 28.5999, 20.1815



122.3290, 11.1768, 8.4815



60.7790, 25.2520, -26.1162



60.4550, 6.6777, 4.8630



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



53.9880, 28.5999, 20.1815



54.8920, 44.4232, 31.6667



63.8830, 21.2567, 42.1986



51.8800, 2.0312, 1.8592



34.0120, 42.3921, 29.8075



70.0180, 87.2521, 61.3742



# Inverse Universe

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



59.2090, 3.3480, 46.2977



62.9440, 5.4506, 71.9631



79.1170, -21.2567, -42.1986



52.1360, 0.4260, 3.3887



41.8080, 5.0247, 68.5744

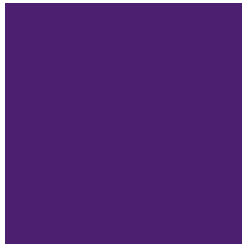


86.0510, 10.3279, 141.1523



# Previews

## White Background



This preview shows how the YUV color 53.9880, 28.5999, 20.1815 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

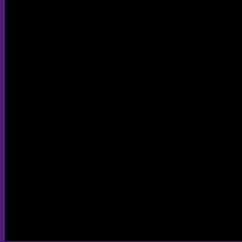
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 53.9880, 28.5999, 20.1815

## Background



This preview shows how black text looks on a background with the YUV color 53.9880, 28.5999, 20.1815.



This preview shows how white text looks on a background with the YUV color 53.9880, 28.5999,



# 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

53.9880, 28.5999, 20.1815

### Protanopia

43.9930, 34.0205, -38.5819

### Deuteranopia

44.0440, 26.6003, -38.6266



## Tritanopia

56.2400, -0.6113, 9.4365

# Trichromacy



## Original Color

53.9880, 28.5999, 20.1815

## Protanomaly

47.6690, 32.2082, -17.2497

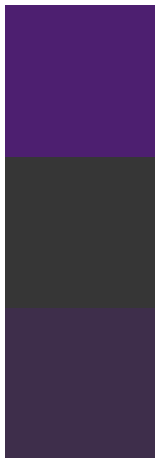
## Deuteranomaly

47.7030, 27.2614, -17.2795

## Tritanomaly

55.7210, 9.9975, 13.3997

# Monochromacy



## Original Color

53.9880, 28.5999, 20.1815

## Achromatopsia

54.0000, 0.0000, 0.0000

## Achromatomaly

54.0900, 10.3086, 6.9371

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 53.9880, 28.5999, 20.1815 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, 31, 112)` looks like.

```
.text, #text, p{  
    color:rgb(77, 31, 112)  
}
```

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, 31, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 31, 112) }
```

## Border

The CSS property to change the border of an element to YUV 53.9880, 28.5999, 20.1815 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, 31, 112) }
```



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

```
.border{ border-color:rgb(77, 31, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 31, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 31, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 31, 112);  
box-shadow:4px 4px 4px 4px rgb(77, 31,  
112) }
```

# Background

The CSS property to change the background color of an element to YUV 53.9880, 28.5999, 20.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 31, 112) }
```

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

```
.background{ background-color: rgb(77, 31,  
112) }
```

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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