

# Converting Colors

YUV(53.9470, 20.7321, 23.7255)

Have a look what the booklet for  
YUV(53.9470, 20.7321, 23.7255)  
contains.

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# Color

**YUV(53.9470, 20.7321,  
23.7255)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	512060
RGB	81, 32, 96
RGB Percent	32%, 13%, 38%
CMY	0.6824, 0.8745, 0.6235
CMYK	0.16, 0.67, 0.00, 0.62
HSL	286°, 50%, 25%
HSV	286°, 67%, 38%
XYZ	6.0212, 3.6269, 11.4490
YIQ	53.9470, 8.6600, 30.2920

# Conversions

## Conversions Part 2

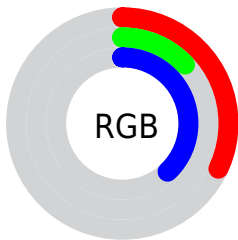
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 32, 96
Decimal	5316704
CIELab	22.40, 33.81, -28.20
CIELCh	22, 44.027, 320.176
Yxy	3.6269, 0.2854, 0.1719
Android (android.graphics.Color)	4283506784 (0xFF512060)
YUV	53.9470, 20.7321, 23.7255
Hunter-Lab	19.0444, 23.1079, -22.3127

# Details

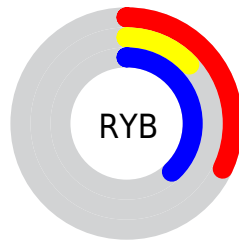
The YUV color **53.9470, 20.7321, 23.7255** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **74.0530, -20.7321, -23.7255**, and the grayscale version is **54.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.1860, 21.6003, 25.2699**, and **16.0510, 16.2439, 16.6183** is the 20% darker color. If you saturate the color by 10%, you get **47.4790, 23.9209, 27.6439**, and if you desaturate by 10%, it is **60.4150, 17.5434, 19.8070**.

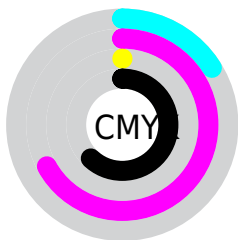
# Distribution



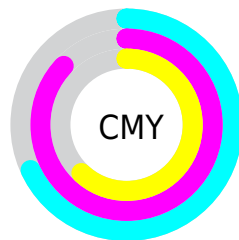
- Red (32%)
- Green (13%)
- Blue (38%)



- Red (32%)
- Yellow (13%)
- Blue (38%)



- Cyan (16%)
- Magenta (67%)
- Yellow (0%)
- Black (62%)



- Cyan (68%)
- Magenta (87%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 53.9470, 20.7321, 23.7255 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 53.9470, 20.7321, 23.7255 by changing the saturation by 10% instead.



■ 53.9470, 20.7321,  
23.7255

■ 53.9470, 20.7321,  
23.7255

■ 255.0000, 0.0000,  
0.0000

■ 29.0610, 21.1689,  
23.6255

■ 103.1860, 21.6003,  
25.2699

■ 16.0510, 16.2439,  
16.6183

■ 129.0120, 22.1791,  
26.2995

■ 3.6650, 11.5042,  
-3.2142

■ 155.7240, 22.3211,  
27.4291

■ 0.0000, 0.0000,  
0.0000

■ 182.6640, 23.3366,  
28.3587

■ 210.0340, 22.1682,  
29.7882

■ 229.7590, 12.4438,

22.1364

246.7820, 4.0515,  
7.2072

53.9470, 20.7321,  
23.7255

53.9470, 20.7321,  
23.7255

47.4790, 23.9209,  
27.6439

60.4150, 17.5434,  
19.8070

41.5980, 26.8202,  
31.0476

66.5950, 14.4967,  
17.0182

34.8310, 30.1563,  
34.3512

73.0630, 11.3079,  
13.0997

33.0700, 31.0245,  
35.8956

78.9440, 8.4086,  
9.6961

85.4120, 5.2199,  
5.7777

■ 92.1790, 1.8838,  
2.4740

■ 98.0600, -1.0156,  
-0.9296

■ 104.5280, -4.2043,  
-4.8481

■ 110.4090, -7.1036,  
-8.2517

# Harmonies

## Analogous

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



47.3580, 33.8405, -27.5010



53.9470, 20.7321, 23.7255



44.7890, 10.4570, 52.8050

# Triad

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



53.9470, 20.7321, 23.7255



50.9000, -25.0937, 22.0127



48.4660, 13.0813, -42.5047

# Complementary

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



53.9470, 20.7321, 23.7255



74.0530, -20.7321, -23.7255

# 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.



44.0030, -1.4805, -38.5906



53.9470, 20.7321, 23.7255



48.0990, -23.7128, -0.9638

# Square

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



53.9470, 20.7321, 23.7255



48.0860, -23.7064, 43.7746



38.0240, -16.7738, -33.3470



50.5980, 26.3272, -44.3744



# Rectangle

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



53.9470, 20.7321, 23.7255



42.0150, 0.9786, 59.6228



38.0240, -16.7738, -33.3470



46.6250, 8.5659, -40.8901

# Sweetspot

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



53.9470, 20.7321, 23.7255



108.5310, 8.1192, 9.1813



48.6880, 23.3248, -14.6354



53.4120, 5.2199, 5.7777



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



53.9470, 20.7321, 23.7255



59.4230, 32.3295, 37.3400



56.6080, 11.5323, 34.5468



45.3530, 1.3050, 1.4444



38.4820, 36.2444, 41.6733



82.3760, 77.7086, 89.1242



# Inverse Universe

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



52.8460, -2.8821, 37.8461



57.5220, -4.6943, 59.1782



71.3920, -11.5323, -34.5468



45.3100, -0.1528, 2.3591



36.4520, -5.1528, 66.2556



78.1440, -10.9170, 141.9477



# Previews

## White Background



This preview shows how the YUV color 53.9470, 20.7321, 23.7255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

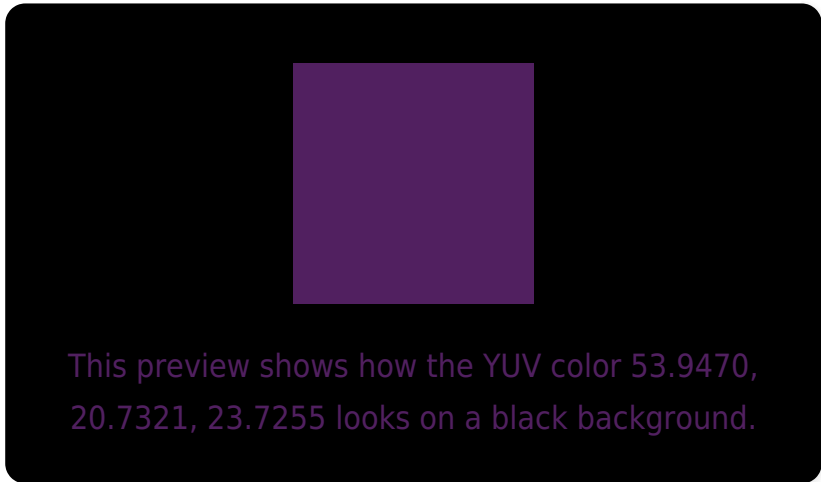
Any Text WCAG AA ✓ Pass

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

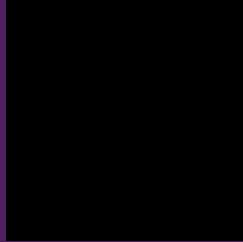
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 53.9470, 20.7321, 23.7255

## Background



This preview shows how black text looks on a background with the YUV color 53.9470, 20.7321, 23.7255.



This preview shows how white text looks on a background with the YUV color 53.9470, 20.7321,



# 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

53.9470, 20.7321, 23.7255

### Protanopia

43.8790, 33.5837, -38.4819

### Deuteranopia

51.1450, 20.1415, -20.2982



## Tritanopia

54.8280, -2.3802, 16.8138

# Trichromacy



## Original Color

53.9470, 20.7321, 23.7255

## Protanomaly

47.1700, 29.0032, -15.9351

## Deuteranomaly

52.2440, 20.0927, -4.5990

## Tritanomaly

54.7280, 6.0501, 19.5325

# Monochromacy



## Original Color

53.9470, 20.7321, 23.7255

## Achromatopsia

54.0000, 0.0000, 0.0000

## Achromatomaly

54.0040, 7.3930, 8.7665

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 53.9470, 20.7321, 23.7255 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(81, 32, 96)` looks like.

```
.text, #text, p{  
    color:rgb(81, 32, 96)  
}
```

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(81, 32, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 32, 96) }
```

## Border

The CSS property to change the border of an element to YUV 53.9470, 20.7321, 23.7255 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(81, 32, 96) }
```



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

```
.border{ border-color:rgb(81, 32, 96) }
```

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

Here you see how a box with a 4 pixel rgb(81, 32, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 32, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 32, 96);  
box-shadow:4px 4px 4px 4px rgb(81, 32, 96)  
}
```

# Background

The CSS property to change the background color of an element to YUV 53.9470, 20.7321, 23.7255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 32, 96) }
```

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

```
.background{ background-color: rgb(81, 32,  
96) }
```

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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