

# Converting Colors

YUV(57.9760, 13.3228, 20.1920)

Have a look what the booklet for  
YUV(57.9760, 13.3228, 20.1920)  
contains.

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# Color

**YUV(57.9760, 13.3228,  
20.1920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	512955
RGB	81, 41, 85
RGB Percent	32%, 16%, 33%
CMY	0.6824, 0.8392, 0.6667
CMYK	0.05, 0.52, 0.00, 0.67
HSL	295°, 35%, 25%
HSV	295°, 52%, 33%
XYZ	5.8260, 3.9911, 9.0576
YIQ	57.9760, 9.7160, 22.1640

# Conversions

## Conversions Part 2

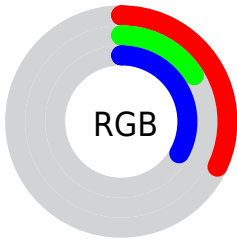
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 41, 85
Decimal	5318997
CIELab	23.64, 26.27, -18.96
CIELCh	24, 32.398, 324.185
Yxy	3.9911, 0.3087, 0.2115
Android (android.graphics.Color)	4283509077 (0xFF512955)
YUV	57.9760, 13.3228, 20.1920
Hunter-Lab	19.9777, 17.0939, -12.8969

# Details

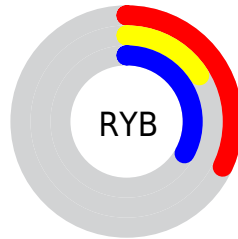
The YUV color **57.9760, 13.3228, 20.1920** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **68.0240, -13.3228, -20.1920**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.5140, 14.0436, 22.3512**, and **15.3240, 12.1653, 18.1329** is the 20% darker color. If you saturate the color by 10%, you get **52.9810, 15.7854, 23.6957**, and if you desaturate by 10%, it is **62.9710, 10.8603, 16.6884**.

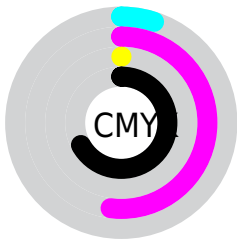
# Distribution



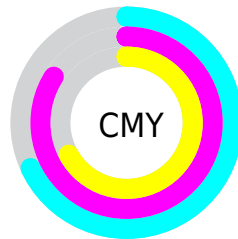
- Red (32%)
- Green (16%)
- Blue (33%)



- Red (32%)
- Yellow (16%)
- Blue (33%)



- Cyan (5%)
- Magenta (52%)
- Yellow (0%)
- Black (67%)



- Cyan (68%)
- Magenta (84%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 57.9760, 13.3228, 20.1920 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 57.9760, 13.3228, 20.1920 by changing the saturation by 10% instead.



■ 57.9760, 13.3228,  
20.1920

■ 57.9760, 13.3228,  
20.1920

■ 255.0000, 0.0000,  
0.0000

■ 35.2640, 13.1808,  
19.0625

■ 106.5140, 14.0436,  
22.3512

■ 15.3240, 12.1653,  
18.1329

■ 131.9270, 14.3330,  
22.8660

■ 2.6390, 7.5730,  
-2.3144

■ 158.3400, 14.6224,  
23.3808

■ 0.0000, 0.0000,  
0.0000

■ 185.1660, 15.2012,  
24.4104

■ 213.5790, 15.4906,  
24.9252

■ 235.0420, 9.8393,

17.5032

251.4780, 1.7363,  
3.0888

57.9760, 13.3228,  
20.1920

57.9760, 13.3228,  
20.1920

52.9810, 15.7854,  
23.6957

62.9710, 10.8603,  
16.6884

47.3990, 18.5373,  
27.7141

68.5530, 8.1084,  
12.6700

42.7030, 20.8524,  
31.8325

73.2490, 5.7932,  
8.5516

37.1210, 23.6043,  
35.8509

78.8310, 3.0413,  
4.5332

32.7130, 25.7775,  
38.8397

83.8260, 0.5788,  
1.0296

■ 89.4080, -2.1731,  
-2.9888

■ 94.1040, -4.4883,  
-7.1072

■ 99.6860, -7.2402,  
-11.1256

■ 104.6810, -9.7027,  
-14.6292

# Harmonies

## Analogous

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



56.0910, 22.1401, -7.9728



57.9760, 13.3228, 20.1920



55.4420, 3.2331, 36.4464

# Triad

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



57.9760, 13.3228, 20.1920



53.0520, -25.6616, 17.4944



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.



57.9760, 13.3228, 20.1920



68.0240, -13.3228, -20.1920

# 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.



45.1430, 2.8875, -39.5904



57.9760, 13.3228, 20.1920



51.1420, -22.2550, -1.8785

# Square

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



57.9760, 13.3228, 20.1920



54.6760, -18.5743, 30.9791



45.6040, -9.6648, -26.8397



49.5720, 22.3960, -43.4746



# Rectangle

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



57.9760, 13.3228, 20.1920



54.5150, -4.1979, 39.8903



45.6040, -9.6648, -26.8397



47.5540, 9.5869, -41.7049

# Sweetspot

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



57.9760, 13.3228, 20.1920



98.8360, 5.5039, 8.0368



48.3640, 18.0615, -6.4582



49.2440, 3.3307, 5.0480



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



57.9760, 13.3228, 20.1920



67.9910, 20.7104, 30.7029



57.1200, 4.8708, 24.4508



40.6520, 1.1576, 2.0592



41.2010, 32.4389, 48.9357



90.4770, 71.2498, 107.4527



# Inverse Universe

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



54.6120, -4.7387, 26.6503



63.0160, -7.4029, 41.2050



68.8800, -4.8708, -24.4508



40.1960, -0.5896, 2.4591



33.1330, -11.4046, 64.7814

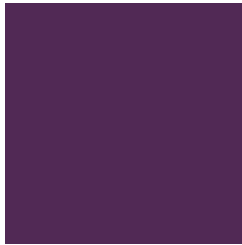


72.6590, -25.4679, 142.3731



# Previews

## White Background



This preview shows how the YUV color 57.9760, 13.3228, 20.1920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

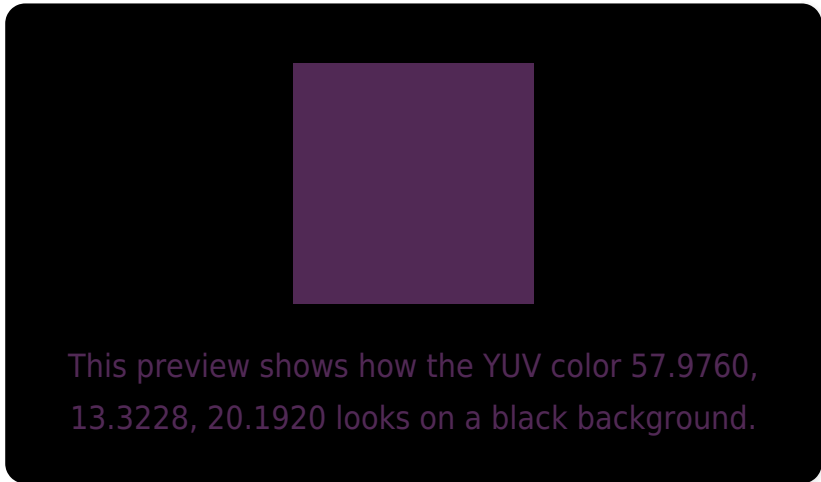
Any Text WCAG AA ✓ Pass

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

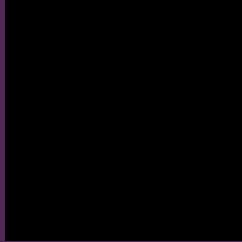
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 57.9760, 13.3228, 20.1920

## Background



This preview shows how black text looks on a background with the YUV color 57.9760, 13.3228, 20.1920.



This preview shows how white text looks on a background with the YUV color 57.9760, 13.3228,



# 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

57.9760, 13.3228, 20.1920

### Protanopia

55.4060, 20.9988, -15.2651

### Deuteranopia

56.2730, 12.6834, -8.1324



## Tritanopia

57.8280, -2.3802, 16.8138

# Trichromacy



## Original Color

57.9760, 13.3228, 20.1920

## Protanomaly

56.6850, 17.9033, -2.3547

## Deuteranomaly

57.0400, 12.7983, 1.7189

## Tritanomaly

57.7340, 3.5821, 17.7733

# Monochromacy



## Original Color

57.9760, 13.3228, 20.1920

## Achromatopsia

58.0000, 0.0000, 0.0000

## Achromatomaly

58.0100, 4.9251, 7.0072

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 57.9760, 13.3228, 20.1920 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, 41, 85)` looks like.

```
.text, #text, p{  
    color:rgb(81, 41, 85)  
}
```

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, 41, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 41, 85) }
```

## Border

The CSS property to change the border of an element to YUV 57.9760, 13.3228, 20.1920 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, 41, 85) }
```



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

```
.border{ border-color:rgb(81, 41, 85) }
```

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

Here you see how a box with a 4 pixel rgb(81, 41, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 41, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 41, 85);  
box-shadow:4px 4px 4px 4px rgb(81, 41, 85)  
}
```

# Background

The CSS property to change the background color of an element to YUV 57.9760, 13.3228, 20.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 41, 85) }
```

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

```
.background{ background-color: rgb(81, 41,  
85) }
```

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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