

# Converting Colors

YUV(57.8170, 7.4852, -20.8875)

Have a look what the booklet for  
YUV(57.8170, 7.4852, -20.8875)  
contains.

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# Color

**YUV(57.8170, 7.4852,  
-20.8875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	224349
RGB	34, 67, 73
RGB Percent	13%, 26%, 29%
CMY	0.8667, 0.7373, 0.7137
CMYK	0.53, 0.08, 0.00, 0.71
HSL	189°, 36%, 21%
HSV	189°, 53%, 29%
XYZ	3.8694, 4.8354, 7.0327
YIQ	57.8170, -21.5940, -5.1300

# Conversions

## Conversions Part 2

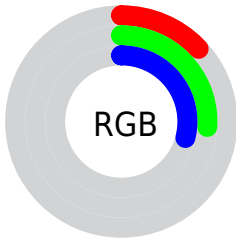
Format	Color
<b>RYB</b>	34, 52, 73
Decimal	2245449
CIELab	26.26, -10.15, -7.38
CIELCh	26, 12.553, 216.018
Yxy	4.8354, 0.2459, 0.3073
Android (android.graphics.Color)	4280435529 (0xFF224349)
YUV	57.8170, 7.4852, -20.8875
Hunter-Lab	21.9896, -7.0718, -3.5694

# Details

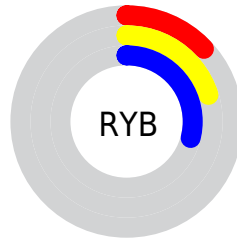
The YUV color **57.8170, 7.4852, -20.8875** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **49.1830, -7.4852, 20.8875**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **105.9310, 7.9220, -20.9875**, and **17.9810, 5.4324, -15.7693** is the 20% darker color. If you saturate the color by 10%, you get **55.1370, 8.8065, -24.6761**, and if you desaturate by 10%, it is **60.4970, 6.1640, -17.0989**.

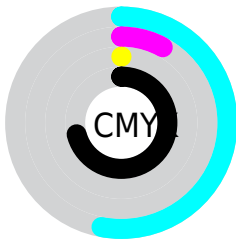
# Distribution



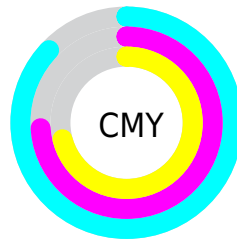
- Red (13%)
- Green (26%)
- Blue (29%)



- Red (13%)
- Yellow (20%)
- Blue (29%)



- Cyan (53%)
- Magenta (8%)
- Yellow (0%)
- Black (71%)



- Cyan (87%)
- Magenta (74%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 57.8170, 7.4852, -20.8875 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 57.8170, 7.4852, -20.8875 by changing the saturation by 10% instead.



■ 57.8170, 7.4852,  
-20.8875

■ 57.8170, 7.4852,  
-20.8875

■ 255.0000, 0.0000,  
0.0000

■ 34.9200, 7.9274,  
-22.7318

■ 105.9310, 7.9220,  
-20.9875

■ 17.9810, 5.4324,  
-15.7693

■ 131.5180, 7.6326,  
-21.5023

■ 0.2280, 0.8736,  
-0.2000

■ 157.6320, 8.0694,  
-21.6023

■ 0.0000, 0.0000,  
0.0000

■ 184.3330, 8.2168,  
-22.2170

■ 212.0340, 8.3642,  
-22.8318

■ 240.3930, 7.2013,

-23.1467

251.4120, 1.7689,  
-7.3773

57.8170, 7.4852,  
-20.8875

57.8170, 7.4852,  
-20.8875

55.1370, 8.8065,  
-24.6761

60.4970, 6.1640,  
-17.0989

52.1580, 10.2751,  
-29.0796

63.4760, 4.6953,  
-12.6955

49.4780, 11.5963,  
-32.8682

66.1560, 3.3741,  
-8.9068

46.7980, 12.9176,  
-36.6568

68.8360, 2.0529,  
-5.1182

44.7160, 13.9440,  
-39.2159

72.1030, 0.4422,  
-1.8443

■ 75.0820, -1.0264,  
2.5591

■ 77.7620, -2.3477,  
6.3477

■ 80.4420, -3.6689,  
10.1364

■ 83.4210, -5.1376,  
14.5398

# Harmonies

## Analogous

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



58.2750, 2.8224, -18.6582



57.8170, 7.4852, -20.8875



59.4200, 9.6529, -16.1543

# Triad

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



57.8170, 7.4852, -20.8875



63.5760, 3.1670, 10.8958



61.3290, -9.0362, 4.9735

# Complementary

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



57.8170, 7.4852, -20.8875



49.1830, -7.4852, 20.8875

# 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.



62.4870, -8.6211, 11.8509



57.8170, 7.4852, -20.8875



63.4580, -1.2118, 15.3843

# Square

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



57.8170, 7.4852, -20.8875



63.2590, 7.2673, 2.4039



62.9050, -5.8692, 15.8693



60.5560, -6.6831, -3.1186



# Rectangle

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



57.8170, 7.4852, -20.8875



60.8660, 9.9261, -10.4065



62.9050, -5.8692, 15.8693



61.6390, -9.1890, 7.3326

# Sweetspot

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



57.8170, 7.4852, -20.8875



88.3410, 2.7899, -8.1921



57.5770, -8.6655, -20.6770



44.7220, 1.6161, -5.0182



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

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



57.8170, 7.4852, -20.8875



70.7770, 11.4489, -32.2534



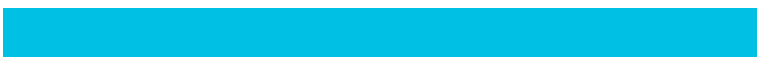
46.6640, 12.9836, -11.1063



34.2170, 0.8790, -1.9443



60.5940, 18.9342, -53.1409



138.5820, 43.5901, -121.5364



# Inverse Universe

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



49.4230, 8.6655, 20.6770



57.7540, 13.4323, 31.7877



60.3360, -12.9836, 11.1063



33.5380, 0.7208, 2.1592



39.1770, 22.0977, 52.4648

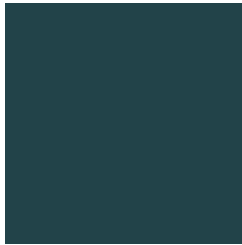


89.7610, 50.4038, 120.3586



# Previews

## White Background



This preview shows how the YUV color 57.8170, 7.4852, -20.8875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

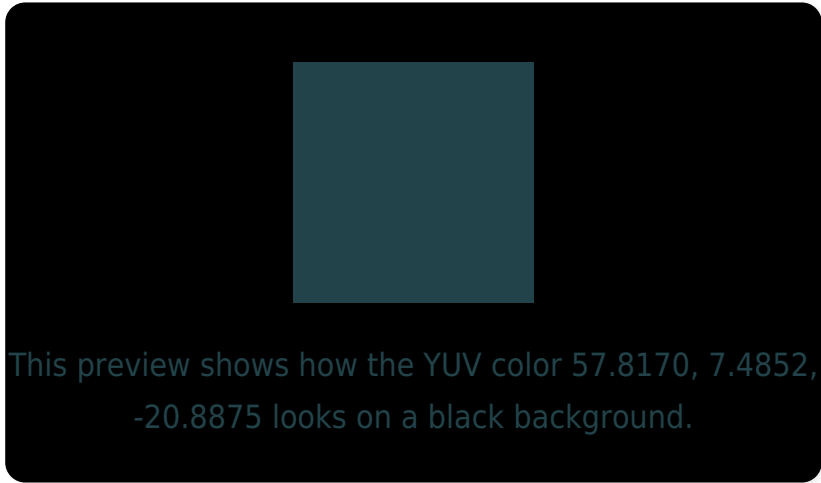
Any Text WCAG AA ✓ Pass

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

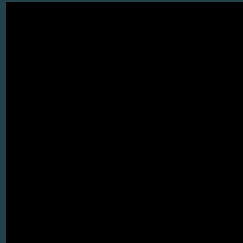
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

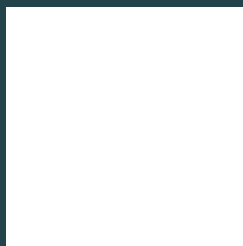
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YUV 57.8170, 7.4852, -20.8875**

## **Background**



This preview shows how black text looks on a background with the YUV color 57.8170, 7.4852, -20.8875.



This preview shows how white text looks on a background with the YUV color 57.8170, 7.4852, -20.8875.

-20.8875.

# 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

57.8170, 7.4852, -20.8875

### Protanopia

62.4990, 3.2050, -1.3146

### Deuteranopia

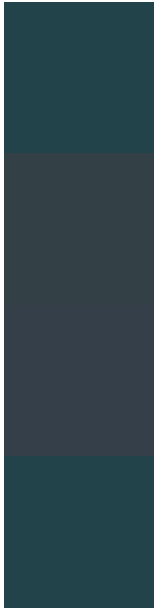
62.7810, 5.5310, -0.6849



## Tritanopia

57.8170, 7.4852, -20.8875

# Trichromacy



## Original Color

57.8170, 7.4852, -20.8875

## Protanomaly

60.7970, 4.5371, -8.5920

## Deuteranomaly

60.9650, 6.4263, -7.8623

## Tritanomaly

57.8170, 7.4852, -20.8875

# Monochromacy



## Original Color

57.8170, 7.4852, -20.8875

## Achromatopsia

58.0000, 0.0000, 0.0000

## Achromatomaly

57.6400, 2.6425, -7.5773

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 57.8170, 7.4852, -20.8875 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(34, 67, 73)` looks like.

```
.text, #text, p{  
    color:rgb(34, 67, 73)  
}
```

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(34, 67, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 67, 73) }
```

## Border

The CSS property to change the border of an element to YUV 57.8170, 7.4852, -20.8875 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(34, 67, 73) }
```



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

```
.border{ border-color:rgb(34, 67, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 67, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 67, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 67, 73);  
box-shadow:4px 4px 4px 4px rgb(34, 67, 73)  
}
```

# Background

The CSS property to change the background color of an element to YUV 57.8170, 7.4852, -20.8875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 67, 73) }
```

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

```
.background{ background-color: rgb(34, 67,  
73) }
```

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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