

# Converting Colors

YUV(62.8430, 32.1224, 57.1427)

Have a look what the booklet for  
YUV(62.8430, 32.1224, 57.1427)  
contains.

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# Color

**YUV(62.8430, 32.1224,  
57.1427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	801180
RGB	128, 17, 128
RGB Percent	50%, 7%, 50%
CMY	0.4980, 0.9333, 0.4980
CMYK	0.00, 0.87, 0.00, 0.50
HSL	300°, 77%, 28%
HSV	300°, 87%, 50%
XYZ	12.9988, 6.5486, 21.0010
YIQ	62.8430, 30.5250, 58.0530

# Conversions

## Conversions Part 2

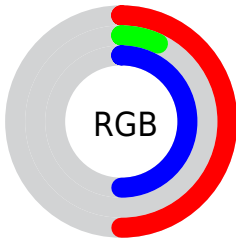
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 17, 128
Decimal	8393088
CIE <sub>Lab</sub>	30.76, 56.07, -34.94
CIE <sub>LCh</sub>	31, 66.067, 328.071
Yxy	6.5486, 0.3206, 0.1615
Android (android.graphics.Color)	4286583168 (0xFF801180)
YUV	62.8430, 32.1224, 57.1427
Hunter-Lab	25.5902, 45.8879, -30.7439

# Details

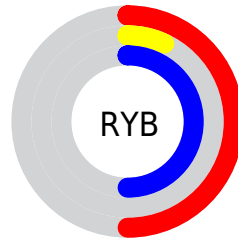
The YUV color **62.8430, 32.1224, 57.1427** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **82.1570, -32.1224, -57.1427**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.4360, 29.3651, 54.8686**, and **31.0180, 23.1621, 37.6952** is the 20% darker color. If you saturate the color by 10%, you get **55.2120, 35.8845, 63.8351**, and if you desaturate by 10%, it is **70.4740, 28.3603, 50.4503**.

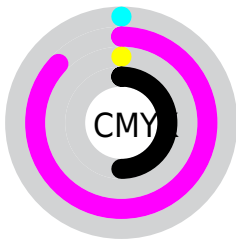
# Distribution



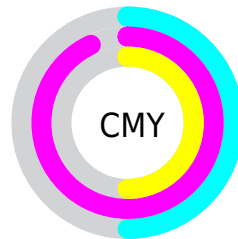
- Red (50%)
- Green (7%)
- Blue (50%)



- Red (50%)
- Yellow (7%)
- Blue (50%)



- Cyan (0%)
- Magenta (87%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (93%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 62.8430, 32.1224, 57.1427 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 62.8430, 32.1224, 57.1427 by changing the saturation by 10% instead.



62.8430, 32.1224,  
57.1427

62.8430, 32.1224,  
57.1427

255.0000, 0.0000,  
0.0000

41.9410, 30.1021,  
51.7947

121.4360, 29.3651,  
54.8686

31.0180, 23.1621,  
37.6952

149.7350, 29.2176,  
55.4834

21.5190, 16.5061,  
25.8548

177.5610, 29.7964,  
56.5130

9.0300, 11.3242,  
7.8667

199.8220, 27.2028,  
48.3911

0.4560, 1.7472,  
-0.3999

216.2580, 19.0998,  
33.9767

0.0000, 0.0000,  
0.0000

233.2810, 10.7075,

19.0476

250.3040, 2.3151,  
4.1184

62.8430, 32.1224,  
57.1427

62.8430, 32.1224,  
57.1427

55.2120, 35.8845,  
63.8351

70.4740, 28.3603,  
50.4503

52.8640, 37.0420,  
65.8943

78.1050, 24.5982,  
43.7579

85.1490, 21.1255,  
37.5803

92.7800, 17.3635,  
30.8879

100.4110, 13.6014,  
24.1956

■ 108.0420, 9.8393,  
17.5032

■ 115.6730, 6.0772,  
10.8108

■ 122.7170, 2.6045,  
4.6332

■ 130.3480, -1.1576,  
-2.0592

# Harmonies

## Analogous

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



67.7840, 47.9275, -19.1046



62.8430, 32.1224, 57.1427



55.5360, 11.0748, 88.1069

# Triad

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



62.8430, 32.1224, 57.1427



68.5980, -33.8188, 20.5236



68.2710, 25.5024, -59.8737

# Complementary

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



62.8430, 32.1224, 57.1427



82.1570, -32.1224, -57.1427

# 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.



61.7560, 3.0783, -54.1600



62.8430, 32.1224, 57.1427



60.6810, -29.9157, -18.1372

# Square

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



62.8430, 32.1224, 57.1427



64.9970, -32.0435, 57.8846



52.8130, -23.5718, -46.3170



71.1840, 44.2793, -62.4284



# Rectangle

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



62.8430, 32.1224, 57.1427



52.3720, -3.6344, 92.6358



52.8130, -23.5718, -46.3170



66.3330, 18.0768, -58.1740

# Sweetspot

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



62.8430, 32.1224, 57.1427



140.7590, 12.4438, 22.1364



29.6540, 48.4846, -11.0976



68.7380, 7.5242, 13.3848



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



62.8430, 32.1224, 57.1427



68.5580, 48.0389, 85.4566



56.5730, 8.0985, 62.6415



59.8910, 2.0257, 3.6036



52.8640, 37.0420, 65.8943



0.0000, 0.0000, 0.0000



# Inverse Universe

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



62.8430, 32.1224, 57.1427



68.5580, 48.0389, 85.4566



88.5410, -7.6617, -62.7415



59.8910, 2.0257, 3.6036



52.8640, 37.0420, 65.8943

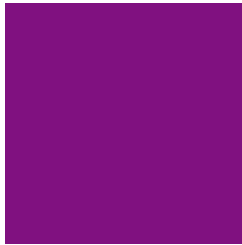


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 62.8430, 32.1224, 57.1427 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



This preview shows how the YUV color 62.8430, 32.1224, 57.1427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

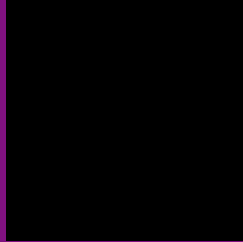
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 62.8430, 32.1224, 57.1427

## Background



This preview shows how black text looks on a background with the YUV color 62.8430, 32.1224, 57.1427.



This preview shows how white text looks on a background with the YUV color 62.8430, 32.1224,



# 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

62.8430, 32.1224, 57.1427

### Protanopia

59.5920, 45.5571, -52.2622

### Deuteranopia

71.5730, 24.3675, -22.4275



## Tritanopia

72.6740, -8.7133, 41.5049

# Trichromacy



## Original Color

62.8430, 32.1224, 57.1427

## Protanomaly

60.8790, 40.4857, -12.1719

## Deuteranomaly

68.5580, 27.3329, 6.5266

## Tritanomaly

69.0180, 6.4001, 47.3422

# Monochromacy



## Original Color

62.8430, 32.1224, 57.1427

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

62.9330, 11.8650, 21.1068

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 62.8430, 32.1224, 57.1427 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(128, 17, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 17, 128)  
}
```

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(128, 17, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 17, 128) }
```

## Border

The CSS property to change the border of an element to YUV 62.8430, 32.1224, 57.1427 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(128, 17, 128) }
```



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

```
.border{ border-color:rgb(128, 17, 128) }
```

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

Here you see how a box with a 4 pixel rgb(128, 17, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 17, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 17, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 17,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 62.8430, 32.1224, 57.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 17, 128) }
```

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

```
.background{ background-color: rgb(128, 17,  
128) }
```

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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