

# Converting Colors

YUV(84.7930, 27.2171,  
-49.8075)

Have a look what the booklet for  
YUV(84.7930, 27.2171, -49.8075)  
contains.

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# Color

**YUV(84.7930, 27.2171,  
-49.8075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1C678C
RGB	28, 103, 140
RGB Percent	11%, 40%, 55%
CMY	0.8902, 0.5961, 0.4510
CMYK	0.80, 0.26, 0.00, 0.45
HSL	200°, 67%, 33%
HSV	200°, 80%, 55%
XYZ	10.0628, 11.8408, 26.5661
YIQ	84.7930, -56.5770, -4.3930

# Conversions

## Conversions Part 2

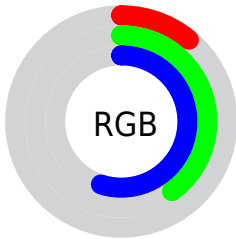
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 73, 140
Decimal	1861516
CIE <sub>Lab</sub>	40.96, -8.99, -26.76
CIE <sub>LCh</sub>	41, 28.233, 251.432
Yxy	11.8408, 0.2076, 0.2443
Android (android.graphics.Color)	4280051596 (0xFF1C678C)
YUV	84.7930, 27.2171, -49.8075
Hunter-Lab	34.4105, -8.0191, -21.6866

# Details

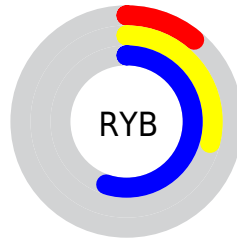
The YUV color **84.7930, 27.2171, -49.8075** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **83.2070, -27.2171, 49.8075**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.7230, 26.7586, -42.7301**, and **43.1320, 23.1059, -37.8268** is the 20% darker color. If you saturate the color by 10%, you get **77.6720, 30.7277, -55.8403**, and if you desaturate by 10%, it is **91.9140, 23.7064, -43.7746**.

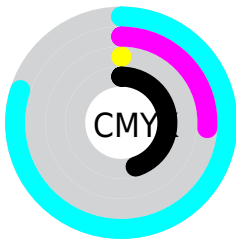
# Distribution



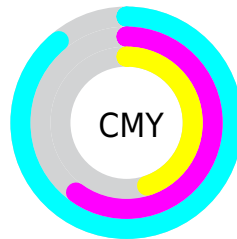
- Red (11%)
- Green (40%)
- Blue (55%)



- Red (11%)
- Yellow (29%)
- Blue (55%)



- Cyan (80%)
- Magenta (26%)
- Yellow (0%)
- Black (45%)



- Cyan (89%)
- Magenta (60%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.7930, 27.2171, -49.8075 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 84.7930, 27.2171, -49.8075 by changing the saturation by 10% instead.



84.7930, 27.2171,  
-49.8075

84.7930, 27.2171,  
-49.8075

255.0000, 0.0000,  
0.0000

59.3690, 26.9331,  
-52.0666

139.7230, 26.7586,  
-42.7301

43.1320, 23.1059,  
-37.8268

167.1360, 27.0480,  
-42.2153

28.0690, 18.7000,  
-24.6165

194.5490, 27.3373,  
-41.7005

10.8860, 16.3252,  
-9.5470

220.8130, 16.8542,  
-39.3010

3.0950, 9.3202,  
-2.7143

239.7510, 7.5178,  
-31.3536

0.0000, 0.0000,  
0.0000

248.7210, 3.0955,

-12.9103

■ 84.7930, 27.2171,  
-49.8075

■ 84.7930, 27.2171,  
-49.8075

■ 77.6720, 30.7277,  
-55.8403

■ 91.9140, 23.7064,  
-43.7746

■ 71.1380, 33.9490,  
-62.3880

■ 98.4480, 20.4851,  
-37.2269

■ 105.5690, 16.9745,  
-31.1940

■ 112.6900, 13.4638,  
-25.1611

■ 119.2240, 10.2426,  
-18.6134

■ 126.3450, 6.7319,  
-12.5806

■ 132.8790, 3.5107,  
-6.0329

■ 140.0000, 0.0000,  
0.0000

■ 147.1210, -3.5107,  
6.0329

# Harmonies

## Analogous

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



77.1730, 24.0717, -67.6807



84.7930, 27.2171, -49.8075



95.2640, 23.0408, -16.8945

# Triad

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



84.7930, 27.2171, -49.8075



98.0910, -4.4819, 37.6312



91.0250, -14.8023, -12.2999

# Complementary

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



84.7930, 27.2171, -49.8075



83.2070, -27.2171, 49.8075

# 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.



94.0230, -21.7033, 7.8728



84.7930, 27.2171, -49.8075



96.7350, -14.6594, 35.3124

# Square

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



84.7930, 27.2171, -49.8075



99.1960, 6.3124, 28.7691



95.6490, -21.0260, 23.9868



86.3840, -2.6543, -35.4168



# Rectangle

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



84.7930, 27.2171, -49.8075



98.2340, 18.6186, 1.5488



95.6490, -21.0260, 23.9868



91.9720, -17.7342, -5.2374

# Sweetspot

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



84.7930, 27.2171, -49.8075



159.9250, 10.3900, -19.2282



97.7340, -17.1239, -61.1567



78.6440, 6.5845, -11.9658



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



84.7930, 27.2171, -49.8075



95.5150, 42.1441, -77.6277



53.0950, 42.8442, -22.0083



65.7330, 1.6106, -3.2738



67.4050, 32.3383, -59.1142



2.3310, 1.3158, -2.0443



# Inverse Universe

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



70.0380, 16.2503, 61.3567



72.3640, 25.4565, 95.2738



114.9050, -42.8442, 22.0083



64.6630, 1.1521, 3.8035



49.9130, 19.2699, 72.8673



1.8370, 0.5734, 2.7740



# Previews

## White Background



This preview shows how the YUV color 84.7930, 27.2171, -49.8075 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 × Fail



# Black Background



This preview shows how the YUV color 84.7930, 27.2171, -49.8075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

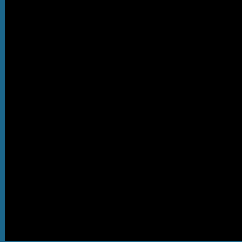
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 84.7930, 27.2171, -49.8075

## Background



This preview shows how black text looks on a background with the YUV color 84.7930, 27.2171, -49.8075.



This preview shows how white text looks on a background with the YUV color 84.7930, 27.2171,



# 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

84.7930, 27.2171, -49.8075

### Protanopia

96.3420, 18.0724, -9.9469

### Deuteranopia

95.5630, 22.8934, -16.2798



## Tritanopia

75.9190, 19.2669, -66.5810

# Trichromacy



## Original Color

84.7930, 27.2171, -49.8075

## Protanomaly

92.1660, 21.6102, -24.7016

## Deuteranomaly

91.8280, 24.2418, -28.7902

## Tritanomaly

79.3480, 22.0134, -60.8182

# Monochromacy



## Original Color

84.7930, 27.2171, -49.8075

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.1100, 9.8058, -18.5135

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.7930, 27.2171, -49.8075 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(28, 103, 140)` looks like.

```
.text, #text, p{  
    color:rgb(28, 103, 140)  
}
```

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(28, 103, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 103, 140) }
```

## Border

The CSS property to change the border of an element to YUV 84.7930, 27.2171, -49.8075 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(28, 103, 140) }
```



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

```
.border{ border-color:rgb(28, 103, 140) }
```

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

Here you see how a box with a 4 pixel rgb(28, 103, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 103, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 103, 140);  
box-shadow:4px 4px 4px 4px rgb(28, 103,  
140) }
```

# Background

The CSS property to change the background color of an element to YUV 84.7930, 27.2171, -49.8075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 103, 140) }
```

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

```
.background{ background-color: rgb(28, 103,  
140) }
```

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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