

# Converting Colors

YUV(85.1670, -27.1973,  
-50.1355)

Have a look what the booklet for  
YUV(85.1670, -27.1973, -50.1355)  
contains.

<b>YUV(85.1670, -27.1973, -50.1355)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(85.1670, -27.1973,  
-50.1355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1C7D1E
RGB	28, 125, 30
RGB Percent	11%, 49%, 12%
CMY	0.8902, 0.5098, 0.8824
CMYK	0.78, 0.00, 0.76, 0.51
HSL	121°, 63%, 30%
HSV	121°, 78%, 49%
XYZ	8.0468, 15.0078, 3.7010
YIQ	85.1670, -27.3170, -50.1090

# Conversions

## Conversions Part 2

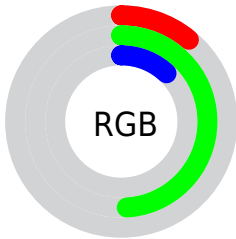
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 123, 125
Decimal	1867038
CIE Lab	45.64, -46.16, 41.50
CIE LCh	46, 62.072, 138.045
Yxy	15.0078, 0.3008, 0.5609
Android (android.graphics.Color)	4280057118 (0xFF1C7D1E)
YUV	85.1670, -27.1973, -50.1355
Hunter-Lab	38.7400, -30.7179, 21.4538

# Details

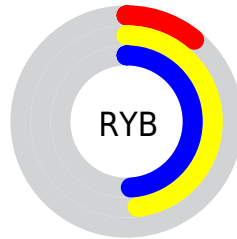
The YUV color **85.1670, -27.1973, -50.1355** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **67.8330, 27.1973, 50.1355**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.2170, -29.6870, -44.9173**, and **43.4380, -21.4149, -38.0951** is the 20% darker color. If you saturate the color by 10%, you get **79.9120, -30.5226, -56.9278**, and if you desaturate by 10%, it is **90.1230, -23.7246, -43.9579**.

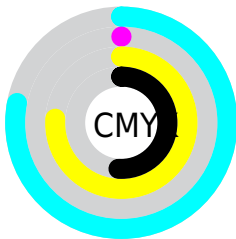
# Distribution



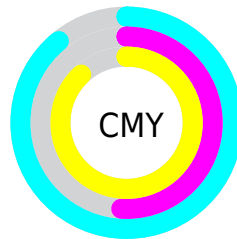
- Red (11%)
- Green (49%)
- Blue (12%)



- Red (11%)
- Yellow (48%)
- Blue (49%)



- Cyan (78%)
- Magenta (0%)
- Yellow (76%)
- Black (51%)



- Cyan (89%)
- Magenta (51%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.1670, -27.1973, -50.1355 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 85.1670, -27.1973, -50.1355 by changing the saturation by 10% instead.



■ 85.1670, -27.1973,  
-50.1355

■ 85.1670, -27.1973,  
-50.1355

255.0000, 0.0000,  
0.0000

■ 58.1130, -28.6497,  
-50.9651

■ 141.2170,  
-29.6870, -44.9173

■ 43.4380, -21.4149,  
-38.0951

■ 168.8750,  
-30.9974, -44.6174

■ 29.9370, -14.7589,  
-26.2547

■ 196.6470,  
-31.8710, -44.4174

■ 16.4360, -8.1029,  
-14.4144

■ 219.8370,  
-29.9926, -40.1990

■ 0.0000, 0.0000,  
0.0000

■ 231.7000,  
-22.0371, -25.1699

■ 243.5630,

-14.0816, -10.1408

253.7460, -4.8048,  
1.0998

85.1670, -27.1973,  
-50.1355

85.1670, -27.1973,  
-50.1355

79.9120, -30.5226,  
-56.9278

90.1230, -23.7246,  
-43.9579

74.9560, -33.9953,  
-63.1054

95.3780, -20.3994,  
-37.1655

73.7170, -34.8635,  
-64.6498

100.4480,  
-16.4899, -31.0879

105.7030,  
-13.1646, -24.2955

110.6590, -9.6919,  
-18.1179

■ 115.9140, -6.3666,  
-11.3256

■ 120.9840, -2.4571,  
-5.2480

■ 126.2390, 0.8682,  
1.5444

■ 131.1950, 4.3409,  
7.7220

# Harmonies

## Analogous

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



97.7040, -48.1681, 2.8906



85.1670, -27.1973, -50.1355



86.0000, -0.4930, -75.4220

# Triad

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



85.1670, -27.1973, -50.1355



94.3800, 57.0007, -82.7713



98.4440, -9.5859, 88.1876

# Complementary

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



85.1670, -27.1973, -50.1355



67.8330, 27.1973, 50.1355

# 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.



101.9690, 14.3123, 76.3262



85.1670, -27.1973, -50.1355



99.4220, 53.5290, -42.4661

# Square

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



85.1670, -27.1973, -50.1355



96.8130, 43.4762, -84.9050



110.3300, 33.3613, 33.0366



101.2760, -35.1391, 70.7949



# Rectangle

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



85.1670, -27.1973, -50.1355



90.6910, 14.9423, -79.5360



110.3300, 33.3613, 33.0366



98.0340, -1.0028, 88.5472

# Sweetspot

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



85.1670, -27.1973, -50.1355



147.7190, -10.7075, -19.0476



113.3440, -42.0746, 8.4683



72.5010, -6.6560, -11.8404



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



85.1670, -27.1973, -50.1355



100.6800, -42.2402, -78.6494



90.6390, -6.2310, -54.9344



61.2230, -1.5889, -3.7036



75.4780, -35.7317, -66.1942



0.0000, 0.0000, 0.0000



# Inverse Universe

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



67.8330, 27.1973, 50.1355



73.4340, 42.6770, 78.5494



62.3610, 6.2310, 54.9344



59.8910, 2.0257, 3.6036



52.5220, 35.7317, 66.1942

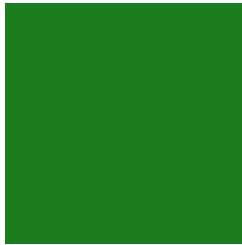


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 85.1670, -27.1973, -50.1355 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 85.1670, -27.1973, -50.1355 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 85.1670, -27.1973, -50.1355

## Background



This preview shows how black text looks on a background with the YUV color 85.1670, -27.1973, -50.1355.



This preview shows how white text looks on a background with the YUV color 85.1670, -27.1973, -50.1355.



# 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

85.1670, -27.1973, -50.1355

### Protanopia

102.5390, -37.7337, 16.1903

### Deuteranopia

104.5000, -31.7985, 25.8715



## Tritanopia

100.0860, 12.7756, -37.7864

# Trichromacy



## Original Color

85.1670, -27.1973, -50.1355

## Protanomaly

96.0090, -34.0214, -7.9009

## Deuteranomaly

97.0790, -30.1119, -1.8233

## Tritanomaly

94.5680, -1.7590, -42.5941

# Monochromacy



## Original Color

85.1670, -27.1973, -50.1355

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.2460, -9.9813, -18.6327

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.1670, -27.1973, -50.1355 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, 125, 30)` looks like.

```
.text, #text, p{  
    color:rgb(28, 125, 30)  
}
```

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, 125, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 125, 30) }
```

## Border

The CSS property to change the border of an element to YUV 85.1670, -27.1973, -50.1355 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, 125, 30) }
```



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

```
.border{ border-color:rgb(28, 125, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 125, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 125, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 125, 30);  
box-shadow:4px 4px 4px 4px rgb(28, 125,  
30) }
```

# Background

The CSS property to change the background color of an element to YUV 85.1670, -27.1973, -50.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 125, 30) }
```

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

```
.background{ background-color: rgb(28, 125,  
30) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor