

# Converting Colors

YUV(81.0760, 0.9485, -71.1037)

Have a look what the booklet for  
YUV(81.0760, 0.9485, -71.1037)  
contains.

<b>YUV(81.0760, 0.9485, -71.1037)</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> .....	30

# Color

**YUV(81.0760, 0.9485,  
-71.1037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007A53
RGB	0, 122, 83
RGB Percent	0%, 48%, 33%
CMY	1.0000, 0.5216, 0.6745
CMYK	1.00, 0.00, 0.32, 0.52
HSL	161°, 100%, 24%
HSV	161°, 100%, 48%
XYZ	8.5209, 14.5436, 10.5417
YIQ	81.0760, -60.1930, -37.9930

# Conversions

## Conversions Part 2

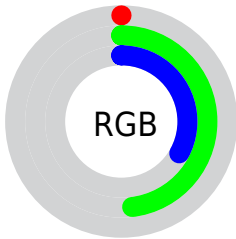
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 73, 122
Decimal	31315
CIELab	45.00, -39.16, 13.34
CIELCh	45, 41.374, 161.189
Yxy	14.5436, 0.2536, 0.4328
Android (android.graphics.Color)	4278221395 (0xFF007A53)
YUV	81.0760, 0.9485, -71.1037
Hunter-Lab	38.1361, -26.8553, 10.3061

# Details

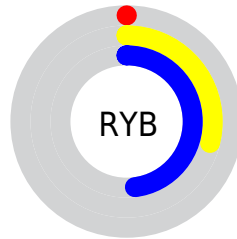
The YUV color **81.0760, 0.9485, -71.1037** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **40.9240, -0.9485, 71.1037**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **140.9100, -3.8996, -56.0491**, and **46.5960, -4.2378, -40.8647** is the 20% darker color. If you saturate the color by 10%, you get **81.0760, 0.9485, -71.1037**, and if you desaturate by 10%, it is **85.1200, 0.9268, -64.1262**.

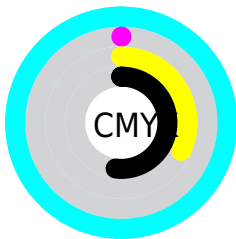
# Distribution



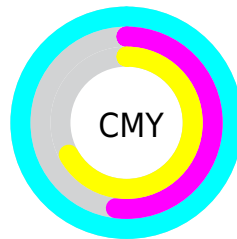
- Red (0%)
- Green (48%)
- Blue (33%)



- Red (0%)
- Yellow (29%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.0760, 0.9485, -71.1037 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 81.0760, 0.9485, -71.1037 by changing the saturation by 10% instead.



81.0760, 0.9485,  
-71.1037

81.0760, 0.9485,  
-71.1037

255.0000, 0.0000,  
0.0000

63.7790, -1.8630,  
-55.9342

140.9100, -3.8996,  
-56.0491

46.5960, -4.2378,  
-40.8647

168.6820, -4.7732,  
-55.8491

30.7010, -6.7546,  
-26.9248

197.1550, -5.4994,  
-56.2639

15.2620, -7.5242,  
-13.3848

222.5190, -4.1999,  
-53.0752

0.0000, 0.0000,  
0.0000

234.0830, 3.9031,  
-38.6608

244.2360, 5.3067,

-22.1320

253.2060, 0.8844,  
-3.6887

81.0760, 0.9485,  
-71.1037

85.1200, 0.9268,  
-64.1262

89.1640, 0.9051,  
-57.1488

93.5070, 0.7360,  
-49.5566

97.5510, 0.7144,  
-42.5792

101.5950, 0.6927,  
-35.6018

■ 105.5250, 0.2342,  
-28.5244

■ 109.5690, 0.2125,  
-21.5470

■ 113.9120, 0.0434,  
-13.9548

■ 117.9560, 0.0217,  
-6.9774

# Harmonies

## Analogous

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



97.3310, -22.3482, -18.7073



81.0760, 0.9485, -71.1037



86.3540, 16.0945, -75.7325

# Triad

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



81.0760, 0.9485, -71.1037



102.0910, 35.4511, -30.7748



105.5260, -20.9653, 51.2817

# Complementary

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



81.0760, 0.9485, -71.1037



40.9240, -0.9485, 71.1037

# 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.



106.2720, -5.5571, 55.8895



81.0760, 0.9485, -71.1037



109.5050, 24.4010, 13.5891

# Square

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



81.0760, 0.9485, -71.1037



87.5860, 41.1231, -76.8129



108.4350, 10.6315, 43.4685



104.1420, -32.1150, 34.0785



# Rectangle

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



81.0760, 0.9485, -71.1037



88.2750, 25.9934, -77.4172



108.4350, 10.6315, 43.4685



105.5140, -16.0294, 54.8002

# Sweetspot

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



81.0760, 0.9485, -71.1037



142.2370, 0.3762, -27.3948



83.8730, -41.3494, -37.5996



69.6020, 0.1962, -16.3140



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



81.0760, 0.9485, -71.1037



105.0580, 1.4504, -92.1359



73.7820, 23.7715, -64.7068



58.9780, 0.0108, -3.4887



83.0650, 0.9540, -72.8480



167.5320, 2.2027, -146.9256



# Inverse Universe

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



40.9240, -0.9485, 71.1037



53.0560, -1.0136, 92.0359



48.2180, -23.7715, 64.7068



57.0220, -0.0108, 3.4887



41.9350, -0.9540, 72.8480



84.5820, -1.7659, 146.8256



# Previews

## White Background



This preview shows how the YUV color 81.0760, 0.9485, -71.1037 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 81.0760, 0.9485, -71.1037 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 81.0760, 0.9485, -71.1037**

## **Background**



This preview shows how black text looks on a background with the YUV color 81.0760, 0.9485, -71.1037.



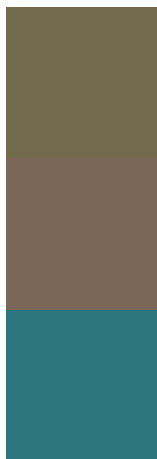
This preview shows how white text looks on a background with the YUV color 81.0760, 0.9485, -71.1037.



# 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



### Protanopia

104.9720, -14.2832, 7.9176

### Deuteranopia

106.5690, -9.6475, 14.4100

### Tritanopia

95.6010, 14.9867, -47.0081

# Trichromacy



## Protanomaly

96.5770, -8.6655, -20.6770

## Deuteranomaly

97.1090, -5.4767, -16.7586

## Tritanomaly

90.4660, 9.6303, -55.6597

# Monochromacy



## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

81.2480, 0.3707, -25.6505

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.0760, 0.9485, -71.1037 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(0, 122, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 83)  
}
```

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(0, 122, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 83) }
```

## Border

The CSS property to change the border of an element to YUV 81.0760, 0.9485, -71.1037 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(0, 122, 83) }
```

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

```
.border{ border-color:rgb(0, 122, 83) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 83)  
}
```



# Background

The CSS property to change the background color of an element to YUV 81.0760, 0.9485, -71.1037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 83) }
```

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

```
.background{ background-color: rgb(0, 122,  
83) }
```

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