

# Converting Colors

YUV(84.0330, -20.7223,  
-73.6969)

Have a look what the booklet for  
YUV(84.0330, -20.7223, -73.6969)  
contains.

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# Color

**YUV(84.0330, -20.7223,  
-73.6969)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00872A
RGB	0, 135, 42
RGB Percent	0%, 53%, 16%
CMY	1.0000, 0.4706, 0.8353
CMYK	1.00, 0.00, 0.69, 0.47
HSL	139°, 100%, 26%
HSV	139°, 100%, 53%
XYZ	9.0819, 17.4951, 5.0887
YIQ	84.0330, -50.6070, -57.5430

# Conversions

## Conversions Part 2

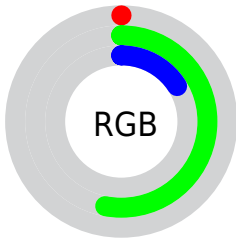
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 135
Decimal	34602
CIELab	48.88, -51.06, 39.82
CIELCh	49, 64.750, 142.052
Yxy	17.4951, 0.2868, 0.5525
Android (android.graphics.Color)	4278224682 (0xFF00872A)
YUV	84.0330, -20.7223, -73.6969
Hunter-Lab	41.8272, -34.4400, 22.0658

# Details

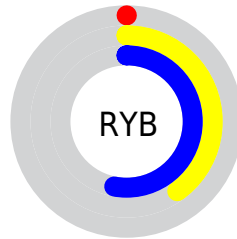
The YUV color **84.0330, -20.7223, -73.6969** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **50.9670, 20.7223, 73.6969**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.9490, -26.5969, -56.0833**, and **49.3080, -24.3088, -43.2431** is the 20% darker color. If you saturate the color by 10%, you get **84.0330, -20.7223, -73.6969**, and if you desaturate by 10%, it is **88.9460, -18.7074, -66.6046**.

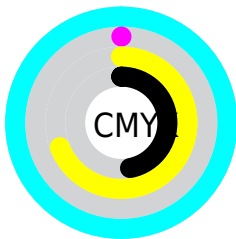
# Distribution



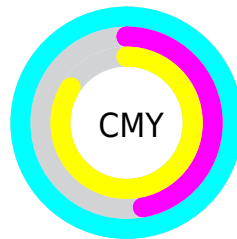
- Red (0%)
- Green (53%)
- Blue (16%)



- Red (0%)
- Yellow (40%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.0330, -20.7223, -73.6969 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 84.0330, -20.7223, -73.6969 by changing the saturation by 10% instead.



■ 84.0330, -20.7223,  
-73.6969

■ 84.0330, -20.7223,  
-73.6969

255.0000, 0.0000,  
0.0000

■ 65.6930, -24.9916,  
-57.6128

■ 145.9490,  
-26.5969, -56.0833

■ 49.3080, -24.3088,  
-43.2431

■ 174.6070,  
-27.9073, -55.7833

■ 34.6330, -17.0741,  
-30.3731

■ 203.2650,  
-29.2176, -55.4834

■ 21.7190, -10.7075,  
-19.0476

■ 219.7100,  
-24.0140, -44.4727

■ 0.0000, 0.0000,  
0.0000

■ 231.5730,  
-16.0585, -29.4435

■ 243.8490, -7.8136,

-13.8996

■ 84.0330, -20.7223,  
-73.6969

■ 88.9460, -18.7074,  
-66.6046

■ 94.2720, -16.4031,  
-58.9975

■ 99.4840, -14.5356,  
-51.2905

■ 104.3970,  
-12.5207, -44.1982

■ 109.6090,  
-10.6532, -36.4911

■ 114.6360, -8.2015,  
-29.4988

■ 119.5490, -6.1867,  
-22.4065

■ 124.7610, -4.3192,  
-14.6994

■ 130.0870, -2.0149,  
-7.0923

# Harmonies

## Analogous

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



103.8730, -51.2094, -1.6426



84.0330, -20.7223, -73.6969



93.4660, 2.7283, -81.9697

# Triad

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



84.0330, -20.7223, -73.6969



100.3130, 61.9637, -87.9745



106.7280, -13.6699, 91.4465

# Complementary

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



84.0330, -20.7223, -73.6969



50.9670, 20.7223, 73.6969

# 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.



108.7420, 11.9592, 84.4183



84.0330, -20.7223, -73.6969



111.9830, 52.7594, -28.9261

# Square

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



84.0330, -20.7223, -73.6969



103.4470, 48.5866, -90.7230



118.4560, 32.3132, 42.5731



109.3810, -41.1068, 71.5799



# Rectangle

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



84.0330, -20.7223, -73.6969



98.3850, 19.0372, -86.2836



118.4560, 32.3132, 42.5731



106.0300, -4.9448, 92.9357

# Sweetspot

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



84.0330, -20.7223, -73.6969



156.0490, -7.9122, -28.9840



107.3510, -52.9240, -11.7088



76.9240, -4.8925, -17.4733



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



84.0330, -20.7223, -73.6969



109.5820, -26.9089, -96.1034



91.5570, 8.1064, -80.2955



63.7500, -0.8627, -3.2887



80.8700, -20.1489, -70.9230



1.8750, -0.4314, -1.6444



# Inverse Universe

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



50.9670, 20.7223, 73.6969



66.4180, 26.9089, 96.1034



43.4430, -8.1064, 80.2955



62.2500, 0.8628, 3.2888



49.1300, 20.1489, 70.9230



1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 84.0330, -20.7223, -73.6969 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 84.0330, -20.7223, -73.6969 looks on a black 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

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

# YUV 84.0330, -20.7223, -73.6969

## Background



This preview shows how black text looks on a background with the YUV color 84.0330, -20.7223, -73.6969.



This preview shows how white text looks on a background with the YUV color 84.0330, -20.7223, -73.6969.

-73.6969.

# 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

84.0330, -20.7223, -73.6969

### Protanopia

111.1800, -36.5707, 16.5051

### Deuteranopia

113.1410, -30.6355, 26.1863



## Tritanopia

105.9110, 14.8339, -44.6489

# Trichromacy



## Original Color

84.0330, -20.7223, -73.6969



## Protanomaly

101.4640, -30.7948, -16.1929



## Deuteranomaly

102.5340, -26.8853, -10.1153



## Tritanomaly

97.8160, 2.0627, -55.0896

# Monochromacy



## Original Color

84.0330, -20.7223, -73.6969



## Achromatopsia

84.0000, 0.0000, 0.0000



## Achromatomaly

84.1740, -7.4808, -27.3396

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.0330, -20.7223, -73.6969 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, 135, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 42)  
}
```

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, 135, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 42) }
```

## Border

The CSS property to change the border of an element to YUV 84.0330, -20.7223, -73.6969 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, 135, 42) }
```



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

```
.border{ border-color:rgb(0, 135, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 42)  
}
```

# Background

The CSS property to change the background color of an element to YUV 84.0330, -20.7223, -73.6969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 42) }
```

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

```
.background{ background-color: rgb(0, 135,  
42) }
```

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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