

# Converting Colors

YUV(145.8700, 53.8011,  
-83.2010)

Have a look what the booklet for  
YUV(145.8700, 53.8011, -83.2010)  
contains.

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# Color

**YUV(145.8700, 53.8011,  
-83.2010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33ADFF
RGB	51, 173, 255
RGB Percent	20%, 68%, 100%
CMY	0.8000, 0.3216, 0.0000
CMYK	0.80, 0.32, 0.00, 0.00
HSL	204°, 100%, 60%
HSV	204°, 80%, 100%
XYZ	34.3588, 37.8109, 100.0951
YIQ	145.8700, -99.0340, -0.3620

# Conversions

## Conversions Part 2

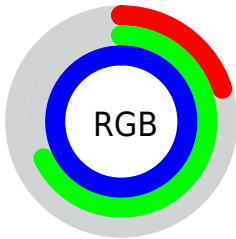
Format	Color
R <sub>Y</sub> B	51, 127, 255
Decimal	3386879
CIE Lab	67.88, -5.38, -49.85
CIE LCh	68, 50.134, 263.844
Yxy	37.8109, 0.1995, 0.2195
Android (android.graphics.Color)	4281576959 (0xFF33ADFF)
YUV	145.8700, 53.8011, -83.2010
Hunter-Lab	61.4906, -7.8690, -53.4695

# Details

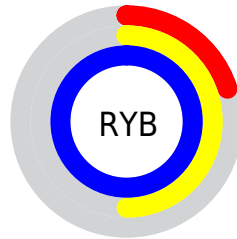
The YUV color **145.8700, 53.8011, -83.2010** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **160.1300, -53.8011, 83.2010**, and the grayscale version is **145.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **201.1780, 26.5342, -64.1771**, and **93.5990, 51.4697, -82.0863** is the 20% darker color. If you saturate the color by 10%, you get **132.2260, 60.5276, -94.0372**, and if you desaturate by 10%, it is **159.5140, 47.0746, -72.3648**.

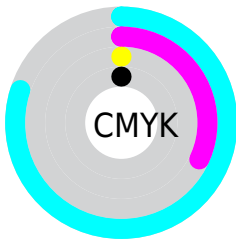
# Distribution



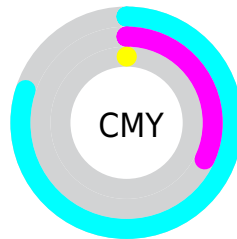
- Red (20%)
- Green (68%)
- Blue (100%)



- Red (20%)
- Yellow (50%)
- Blue (100%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 145.8700, 53.8011, -83.2010 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 145.8700, 53.8011, -83.2010 by changing the saturation by 10% instead.



■ 145.8700, 53.8011,  
-83.2010

■ 145.8700, 53.8011,  
-83.2010

255.0000, 0.0000,  
0.0000

■ 112.0530, 56.1759,  
-98.2705

■ 201.1780, 26.5342,  
-64.1771

■ 93.5990, 51.4697,  
-82.0863

■ 226.5950, 14.0037,  
-58.4038

■ 76.3190, 46.1847,  
-66.9318

■ 236.1630, 9.2866,  
-38.7310

■ 59.1530, 41.3366,  
-51.8772

■ 245.4320, 4.7170,  
-19.6729

■ 43.2750, 36.3464,  
-37.9522

■ 28.6850, 31.2143,  
-25.1567

■ 11.8610, 27.6765,

-10.4021

■ 6.8910, 18.7877,  
-6.0434

■ 3.2090, 9.7570,  
-2.8143

■ 145.8700, 53.8011,  
-83.2010

■ 145.8700, 53.8011,  
-83.2010

■ 132.2260, 60.5276,  
-94.0372

■ 159.5140, 47.0746,  
-72.3648

■ 118.8810, 67.1067,  
-104.2586

■ 173.4460, 40.2061,  
-62.6581

■ 187.0900, 33.4796,  
-51.8219

■ 200.4350, 26.9005,  
-41.6005

■ 214.0790, 20.1741,  
-30.7643

■ 228.0110, 13.3056,  
-21.0576

■ 241.6550, 6.5791,  
-10.2214

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



134.4390, 50.5626, -117.9030



145.8700, 53.8011, -83.2010



166.4770, 40.1908, -10.9423

# Triad

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



145.8700, 53.8011, -83.2010



165.9940, -17.2520, 73.6733



150.1600, -19.7989, -43.1133

# Complementary

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



145.8700, 53.8011, -83.2010



160.1300, -53.8011, 83.2010

# 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.



157.7880, -38.8425, -1.5681



145.8700, 53.8011, -83.2010



164.3240, -34.6697, 60.2289

# Square

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



145.8700, 53.8011, -83.2010



168.2700, 4.3039, 66.4152



162.0420, -43.8977, 33.2892



127.9120, 12.8614, -112.1788



# Rectangle

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



145.8700, 53.8011, -83.2010



170.0530, 30.0469, 22.7555



162.0420, -43.8977, 33.2892



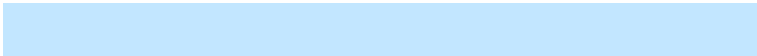
153.5980, -27.4098, -28.5884

# Sweetspot

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



145.8700, 53.8011, -83.2010



222.0860, 16.2266, -24.6314



180.0960, -23.2183, -113.2172



108.1320, 9.7949, -15.0248



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

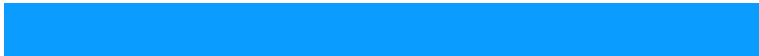


# Same Dimension

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



145.8700, 53.8011, -83.2010



124.2190, 64.4750, -100.1701



85.9960, 83.3190, -30.6915



120.5910, 3.6526, -4.9033



88.6920, 50.4378, -77.7829



29.6020, 16.9582, -25.9610



# Inverse Universe

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



125.9040, 23.2183, 113.2172



100.0130, 28.0946, 135.9236



220.0040, -83.3190, 30.6915



119.6850, 1.1413, 7.2923



70.1050, 21.6402, 106.0249

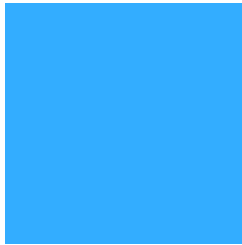


23.4680, 7.1643, 35.5466



# Previews

## White Background



This preview shows how the YUV color 145.8700, 53.8011, -83.2010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

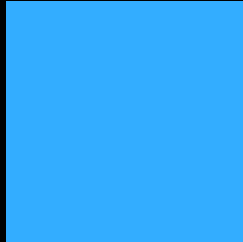
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 145.8700, 53.8011, -83.2010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

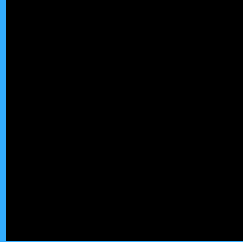
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

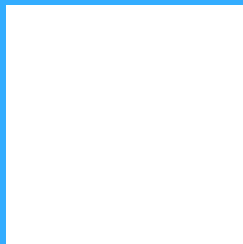
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 145.8700, 53.8011, -83.2010

## Background



This preview shows how black text looks on a background with the YUV color 145.8700, 53.8011, -83.2010.



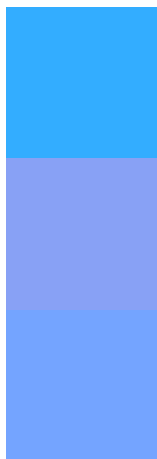
This preview shows how white text looks on a background with the YUV color 145.8700, 53.8011, -83.2010.



# 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

145.8700, 53.8011, -83.2010

### Protanopia

163.1010, 40.3762, -23.7676

### Deuteranopia

160.0220, 46.8242, -38.6073



## Tritanopia

129.1780, 32.9432, -113.2891

# Trichromacy



## Original Color

145.8700, 53.8011, -83.2010

## Protanomaly

156.6360, 45.5355, -45.2848

## Deuteranomaly

154.6070, 49.4937, -54.9063

## Tritanomaly

135.4920, 40.1834, -102.1635

# Monochromacy



## Original Color

145.8700, 53.8011, -83.2010

## Achromatopsia

146.0000, 0.0000, 0.0000

## Achromatomaly

145.9650, 19.7373, -30.6643

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 145.8700, 53.8011, -83.2010 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(51, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 173, 255)  
}
```

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(51, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 173, 255) }
```

## Border

The CSS property to change the border of an element to YUV 145.8700, 53.8011, -83.2010 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(51, 173, 255) }
```



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

```
.border{ border-color:rgb(51, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 173,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 145.8700, 53.8011, -83.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 173, 255) }
```

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

```
.background{ background-color: rgb(51, 173,  
255) }
```

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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