

# Converting Colors

YUV(163.1620, -52.3379,  
80.5419)

Have a look what the booklet for  
YUV(163.1620, -52.3379, 80.5419)  
contains.

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# Color

**YUV(163.1620, -52.3379,  
80.5419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8939
RGB	255, 137, 57
RGB Percent	100%, 54%, 22%
CMY	0.0000, 0.4627, 0.7765
CMYK	0.00, 0.46, 0.78, 0.00
HSL	24°, 100%, 61%
HSV	24°, 78%, 100%
XYZ	50.9242, 39.4467, 8.8009
YIQ	163.1620, 96.0080, 0.1360

# Conversions

## Conversions Part 2

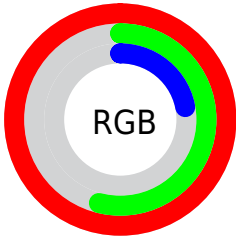
Format	Color
R <sub>Y</sub> B	255, 191, 57
Decimal	16746809
CIE Lab	69.07, 39.40, 60.20
CIE LCh	69, 71.952, 56.796
Yxy	39.4467, 0.5135, 0.3978
Android (android.graphics.Color)	4294936889 (0xFFFF8939)
YUV	163.1620, -52.3379, 80.5419
Hunter-Lab	62.8066, 34.8178, 35.6565

# Details

The YUV color **163.1620, -52.3379, 80.5419** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **148.8380, 52.3379, -80.5419**, and the grayscale version is **164.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **201.3750, -45.5409, 47.0291**, and **107.3030, -52.9004, 74.2793** is the 20% darker color. If you saturate the color by 10%, you get **151.3930, -59.3537, 90.8633**, and if you desaturate by 10%, it is **174.8170, -45.7588, 70.3205**.

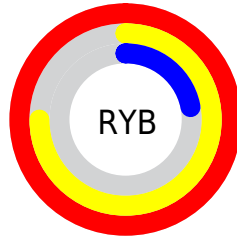
# Distribution



Red (100%)

Green (54%)

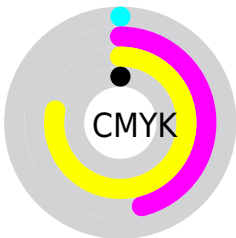
Blue (22%)



Red (100%)

Yellow (75%)

Blue (22%)

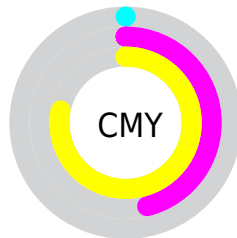


Cyan (0%)

Magenta (46%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 163.1620, -52.3379, 80.5419 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 163.1620, -52.3379, 80.5419 by changing the saturation by 10% instead.



163.1620,  
-52.3379, 80.5419

163.1620,  
-52.3379, 80.5419

255.0000, 0.0000,  
0.0000

135.2540,  
-51.8902, 76.9532

201.3750,  
-45.5409, 47.0291

107.3030,  
-52.9004, 74.2793

220.8890,  
-41.8503, 29.9153

83.3590, -41.0960,  
68.0912

240.9900,  
-38.4491, 12.2868

58.8280, -29.0022,  
62.4178

247.7040,  
-27.9551, 6.3986

31.6610, -15.6089,  
59.9333

250.8960,  
-15.7247, 3.5992

21.2290, -10.4659,  
43.6492

254.2020, -3.0576,

14.2810, -6.0545,

0.6998

28.6946

■ 0.0000, 0.0000,  
0.0000

■ 163.1620,  
-52.3379, 80.5419

■ 163.1620,  
-52.3379, 80.5419

■ 151.3930,  
-59.3537, 90.8633

■ 174.8170,  
-45.7588, 70.3205

■ 139.7380,  
-65.9328, 101.0848

■ 186.5860,  
-38.7429, 59.9991

■ 136.7060,  
-67.3961, 103.7438

■ 198.8280,  
-32.4532, 49.2628

■ 210.5970,  
-25.4373, 38.9414

■ 222.2520,  
-18.8582, 28.7200

■ 234.0210,  
-11.8424, 18.3986

■ 245.6760, -5.2633,  
8.1771

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.



154.3980, -19.9162, 88.2280



163.1620, -52.3379, 80.5419



158.1440, -75.5000, 42.8467

# Triad

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



163.1620, -52.3379, 80.5419



134.3520, 12.1515, -117.8267



165.5140, 44.1166, -10.0978

# Complementary

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



163.1620, -52.3379, 80.5419



148.8380, 52.3379, -80.5419

# 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.



133.5560, 59.8719, -117.1286



163.1620, -52.3379, 80.5419



142.5770, 41.1275, -125.0400

# Square

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



163.1620, -52.3379, 80.5419



135.2550, -20.8317, -85.2926



142.3610, 55.5310, -124.8506



172.0220, 34.0062, 59.6167



# Rectangle

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



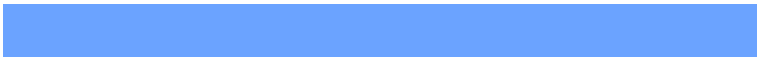
163.1620, -52.3379, 80.5419



155.2430, -69.1398, 9.4339



142.3610, 55.5310, -124.8506



156.7440, 48.4402, -43.6255

# Sweetspot

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



163.1620, -52.3379, 80.5419



227.7290, -15.6424, 23.9167



129.7680, 22.7924, 109.8285



110.9820, -9.3581, 14.9248



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.



163.1620, -52.3379, 80.5419



145.2150, -62.7170, 96.2814



220.6880, -80.6982, 30.0916



121.8220, -3.3632, 5.4181



102.3080, -50.4378, 77.7829



34.3980, -16.9582, 25.9610



# Inverse Universe

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



148.8380, 52.3379, -80.5419



127.7850, 62.7170, -96.2814



91.3120, 80.6982, -30.0916



120.5910, 3.6526, -4.9033



88.6920, 50.4378, -77.7829



29.6020, 16.9582, -25.9610



# Previews

## White Background



This preview shows how the YUV color 163.1620, -52.3379, 80.5419 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 163.1620, -52.3379, 80.5419 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 163.1620, -52.3379, 80.5419

## Background



This preview shows how black text looks on a background with the YUV color 163.1620, -52.3379, 80.5419.



This preview shows how white text looks on a background with the YUV color 163.1620, -52.3379,



# 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

163.1620, -52.3379, 80.5419

### Protanopia

162.9390, -47.7909, 21.9785

### Deuteranopia

162.8940, -56.1497, 43.0660



## Tritanopia

169.1020, -14.3473, 75.3325

# Trichromacy



## Original Color

163.1620, -52.3379, 80.5419

## Protanomaly

162.7290, -49.1664, 43.2107

## Deuteranomaly

163.3240, -54.8827, 56.7209

## Tritanomaly

166.8560, -28.0300, 77.3023

# Monochromacy



## Original Color

163.1620, -52.3379, 80.5419

## Achromatopsia

163.0000, 0.0000, 0.0000

## Achromatomaly

163.1380, -19.2950, 28.8200

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 163.1620, -52.3379, 80.5419 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(255, 137, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 57)  
}
```

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(255, 137, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 57) }
```

## Border

The CSS property to change the border of an element to YUV 163.1620, -52.3379, 80.5419 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(255, 137, 57) }
```



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

```
.border{ border-color:rgb(255, 137, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
57) }
```

# Background

The CSS property to change the background color of an element to YUV 163.1620, -52.3379, 80.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 57) }
```

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

```
.background{ background-color: rgb(255,  
137, 57) }
```

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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