

# Converting Colors

YUV(129.6620, -63.9234,  
109.9214)

Have a look what the booklet for  
YUV(129.6620, -63.9234, 109.9214)  
contains.

<b>YUV(129.6620, -63.9234, 109.9214)</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> .....	22
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	28

# Color

**YUV(129.6620, -63.9234,  
109.9214)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF5B00
RGB	255, 91, 0
RGB Percent	100%, 36%, 0%
CMY	0.0000, 0.6431, 1.0000
CMYK	0.00, 0.64, 1.00, 0.00
HSL	21°, 100%, 50%
HSV	21°, 100%, 100%
XYZ	44.9811, 28.7422, 3.1770
YIQ	129.6620, 126.9550, 6.4670

# Conversions

## Conversions Part 2

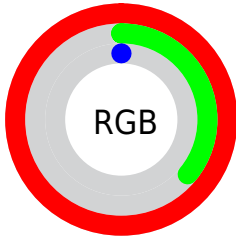
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 141, 0
Decimal	16734976
CIE Lab	60.55, 59.67, 70.42
CIE LCh	61, 92.300, 49.722
Yxy	28.7422, 0.5849, 0.3738
Android (android.graphics.Color)	4294925056 (0xFFFF5B00)
YUV	129.6620, -63.9234, 109.9214
Hunter-Lab	53.6117, 55.9438, 34.0147

# Details

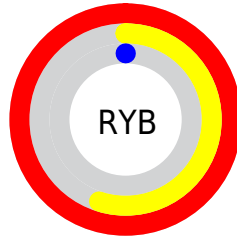
The YUV color **129.6620, -63.9234, 109.9214** is a dark color, and the websafe version is hex **FF6600**, and the color name is **maximum orange**. The color can be described as dark saturated red. A complement of this color would be **125.3380, 63.9234, -109.9214**, and the grayscale version is **130.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **170.1720, -50.8638, 74.3942**, and **72.9470, -35.9629, 101.7785** is the 20% darker color. If you saturate the color by 10%, you get **129.6620, -63.9234, 109.9214**, and if you desaturate by 10%, it is **141.9040, -57.6337, 99.1852**.

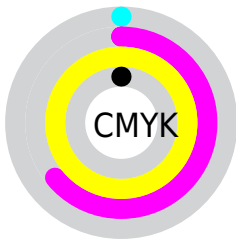
# Distribution



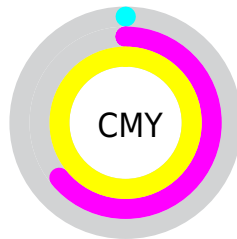
- Red (100%)
- Green (36%)
- Blue (0%)



- Red (100%)
- Yellow (55%)
- Blue (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 129.6620, -63.9234, 109.9214 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 129.6620, -63.9234, 109.9214 by changing the saturation by 10% instead.



129.6620,  
-63.9234, 109.9214

129.6620,  
-63.9234, 109.9214

255.0000, 0.0000,  
0.0000

102.7720,  
-50.6666, 104.5630

170.1720,  
-50.8638, 74.3942

72.9470, -35.9629,  
101.7785

190.1590,  
-47.8994, 56.8656

46.9430, -23.1429,  
96.5200

210.2600,  
-44.4982, 39.2370

37.3750, -18.4259,  
76.8471

230.3610,  
-41.0970, 21.6084

28.1060, -13.8563,  
57.7890

245.8800,  
-34.9438, 7.9982


20.0760, -8.4185,  
40.2753

249.0720,

9.9810, -4.4276,

-22.7135, 5.1989

20.1877


 252.3780,  
-10.0464, 2.2995

 0.0000, 0.0000,  
0.0000


 129.6620,  
-63.9234, 109.9214

 141.9040,  
-57.6337, 99.1852

 154.8470,  
-51.1966, 87.8342

 167.2030,  
-44.4701, 76.9980

 180.0320,  
-38.4698, 65.7469

 192.3880,  
-31.7433, 54.9107

■ 204.6300,  
-25.4536, 44.1745

■ 217.5730,  
-19.0165, 32.8235

■ 229.8150,  
-12.7268, 22.0872

■ 242.7580, -6.2897,  
10.7362

# Harmonies

## Analogous

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



103.1520, -3.0329, 133.1707



129.6620, -63.9234, 109.9214



137.8710, -67.9704, 54.4871

# Triad

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



129.6620, -63.9234, 109.9214



117.4820, -1.7166, -103.0317



115.4690, 68.7888, -83.7263

# Complementary

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



129.6620, -63.9234, 109.9214



125.3380, 63.9234, -109.9214

# 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.



125.9250, 63.6340, -110.4362



129.6620, -63.9234, 109.9214



128.3460, 34.8324, -112.5594

# Square

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



129.6620, -63.9234, 109.9214



102.1040, -45.4073, -89.5452



132.9690, 60.1613, -116.6138



146.5330, 52.4882, 58.2916



# Rectangle

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



129.6620, -63.9234, 109.9214



134.3840, -66.2513, 16.3262



132.9690, 60.1613, -116.6138



115.9460, 68.5536, -101.6846

# Sweetspot

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



129.6620, -63.9234, 109.9214



217.5730, -19.0165, 32.8235



95.1690, 34.9197, 140.1718



105.1460, -11.4110, 20.0430



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.



129.6620, -63.9234, 109.9214



203.6240, -100.3866, 45.0568



121.2350, -3.0739, 5.9329



97.0250, -47.8333, 82.4161



32.6370, -16.0900, 27.5054

# Inverse Universe

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



125.3380, 63.9234, -109.9214



51.3760, 100.3866, -45.0568



121.1780, 3.3632, -5.4181



93.9750, 47.8333, -82.4161



31.3630, 16.0900, -27.5054

# Previews

## White Background



This preview shows how the YUV color 129.6620, -63.9234, 109.9214 looks on a white background.

## Color Contrast Check

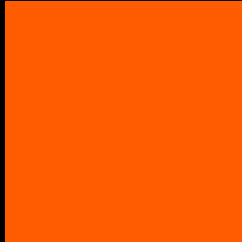
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the YUV color 129.6620, -63.9234, 109.9214 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 129.6620, -63.9234, 109.9214 Background



This preview shows how black text looks on a background with the YUV color 129.6620, -63.9234, 109.9214.



This preview shows how white text looks on a background with the YUV color 129.6620, -63.9234, 109.9214.

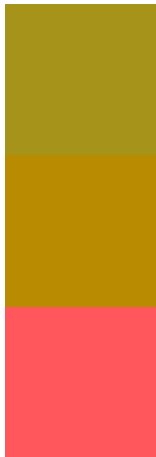




# Color Blindness Simulation

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

138.5880, -55.5059, 23.1633

### Deuteranopia

136.9080, -67.4956, 42.1767

### Tritanopia

137.6880, -23.0172, 102.8826

# Trichromacy



## Protanomaly

135.6890, -58.5137, 54.6467

## Deuteranomaly

134.4040, -66.2612, 66.2977

## Tritanomaly

134.5130, -37.7209, 105.6671

# Monochromacy



## Achromatopsia

130.0000, 0.0000, 0.0000

## Achromatomaly

129.8790, -23.1113, 39.5711

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 129.6620, -63.9234, 109.9214 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, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 0)  
}
```

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, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 0) }
```

## Border

The CSS property to change the border of an element to YUV 129.6620, -63.9234, 109.9214 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, 91, 0) }
```

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

```
.border{ border-color:rgb(255, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 91, 0)  
}
```

# Background

The CSS property to change the background color of an element to YUV 129.6620, -63.9234, 109.9214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 0) }
```

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

```
.background{ background-color: rgb(255, 91,  
0) }
```

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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