

# Converting Colors

YUV(133.0310, 36.4667,  
-29.8452)

Have a look what the booklet for  
YUV(133.0310, 36.4667, -29.8452)  
contains.

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# Color

**YUV(133.0310, 36.4667,  
-29.8452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6388CF
RGB	99, 136, 207
RGB Percent	39%, 53%, 81%
CMY	0.6118, 0.4667, 0.1882
CMYK	0.52, 0.34, 0.00, 0.19
HSL	219°, 53%, 60%
HSV	219°, 52%, 81%
XYZ	25.2122, 24.7660, 62.4830
YIQ	133.0310, -44.8430, 14.2370

# Conversions

## Conversions Part 2

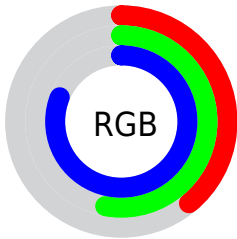
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 127, 207
Decimal	6523087
CIE <sub>Lab</sub>	56.85, 7.27, -40.60
CIE <sub>LCh</sub>	57, 41.248, 280.150
Yxy	24.7660, 0.2242, 0.2202
Android (android.graphics.Color)	4284713167 (0xFF6388CF)
YUV	133.0310, 36.4667, -29.8452
Hunter-Lab	49.7654, 3.3425, -39.6058

# Details

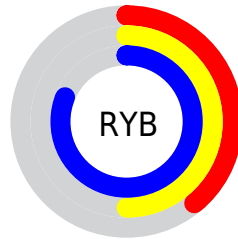
The YUV color **133.0310, 36.4667, -29.8452** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **172.9690, -36.4667, 29.8452**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **186.6570, 33.6931, -26.8862**, and **79.7590, 35.6148, -36.6226** is the 20% darker color. If you saturate the color by 10%, you get **118.5340, 43.6137, -35.5483**, and if you desaturate by 10%, it is **147.5280, 29.3197, -24.1421**.

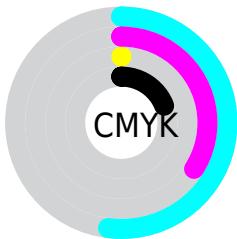
# Distribution



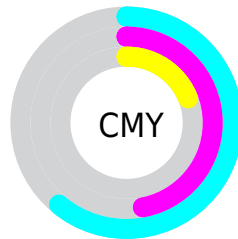
- Red (39%)
- Green (53%)
- Blue (81%)



- Red (39%)
- Yellow (50%)
- Blue (81%)



- Cyan (52%)
- Magenta (34%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (47%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 133.0310, 36.4667, -29.8452 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 133.0310, 36.4667, -29.8452 by changing the saturation by 10% instead.



■ 133.0310, 36.4667,  
-29.8452

■ 133.0310, 36.4667,  
-29.8452

255.0000, 0.0000,  
0.0000

■ 106.4930, 35.7460,  
-32.0044

■ 186.6570, 33.6931,  
-26.8862

■ 79.7590, 35.6148,  
-36.6226

■ 211.4650, 21.4628,  
-24.0868

■ 51.9320, 36.5155,  
-45.5444

■ 236.5720, 9.0850,  
-20.6726

■ 36.1680, 31.9622,  
-31.7193

■ 251.4120, 1.7689,  
-7.3773

■ 22.1650, 26.5407,  
-19.4387

■ 8.9770, 21.7033,  
-7.8728

■ 4.7080, 12.9620,

-4.1289

■ 0.2280, 0.8736,  
-0.2000

■ 0.0000, 0.0000,  
0.0000

■ 133.0310, 36.4667,  
-29.8452

■ 133.0310, 36.4667,  
-29.8452

■ 118.5340, 43.6137,  
-35.5483

■ 147.5280, 29.3197,  
-24.1421

■ 104.9230, 50.3240,  
-41.1515

■ 161.1390, 22.6095,  
-18.5389

■ 90.4260, 57.4710,  
-46.8546

■ 175.6360, 15.4625,  
-12.8358

■ 76.5160, 64.3286,  
-53.0725

■ 189.5460, 8.6048,  
-6.6178

■ 65.2750, 69.8704,  
-57.2462

■ 204.0430, 1.4578,  
-0.9147

■ 218.2410, -5.5418,  
4.1736

■ 232.1510,  
-12.3994, 10.3916

■ 243.6580,  
-18.0724, 9.9469

■ 249.5280,  
-20.9663, 4.7989

# Harmonies

## Analogous

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



109.4310, 46.1295, -95.9710



133.0310, 36.4667, -29.8452



139.8470, 25.7114, 13.2892

# Triad

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



133.0310, 36.4667, -29.8452



136.3200, -21.8498, 54.9704



118.9100, -3.8996, -56.0491

# Complementary

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



133.0310, 36.4667, -29.8452



172.9690, -36.4667, 29.8452

# 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.



127.9890, -23.6586, -18.4074



133.0310, 36.4667, -29.8452



134.9360, -32.9994, 37.7671

# Square

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



133.0310, 36.4667, -29.8452



137.4680, -6.1467, 58.3486



131.8420, -33.9391, 12.4166



107.8570, 19.7905, -94.5906



# Rectangle

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



133.0310, 36.4667, -29.8452



140.7590, 15.8948, 35.2914



131.8420, -33.9391, 12.4166



122.9350, -11.8000, -42.0390

# Sweetspot

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



133.0310, 36.4667, -29.8452



226.8920, 13.8572, -11.3063



170.3760, -0.6784, -62.5968



111.1330, 8.3154, -7.1326



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.



133.0310, 36.4667, -29.8452



144.6390, 54.4080, -44.4104



116.0960, 44.8157, -0.9612



97.6020, 3.6472, -3.1590



53.1980, 56.5974, -46.6546



12.8920, 13.8572, -11.3063



# Inverse Universe

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



135.5100, 0.2416, 62.6967



148.4090, 0.2914, 93.4803



189.9040, -44.8157, 0.9612



97.7450, 0.1257, 6.3626



56.8440, 0.5699, 97.4838



13.8550, 0.0715, 23.8062



# Previews

## White Background



This preview shows how the YUV color 133.0310, 36.4667, -29.8452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

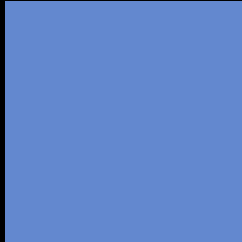
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 133.0310, 36.4667, -29.8452 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 133.0310, 36.4667, -29.8452

## Background



This preview shows how black text looks on a background with the YUV color 133.0310, 36.4667, -29.8452.



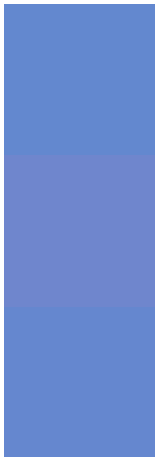
This preview shows how white text looks on a background with the YUV color 133.0310, 36.4667, -29.8452.



# 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

133.0310, 36.4667, -29.8452

### Protanopia

135.2170, 34.4030, -21.2383

### Deuteranopia

133.0420, 36.4613, -28.1008



## Tritanopia

128.2320, 14.6756, -40.5455

# Trichromacy



## Original Color

133.0310, 36.4667, -29.8452

## Protanomaly

134.7220, 35.1401, -24.3122

## Deuteranomaly

132.7430, 36.6087, -28.7156

## Tritanomaly

129.7300, 22.8111, -36.5972

# Monochromacy



## Original Color

133.0310, 36.4667, -29.8452

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.0770, 13.2730, -10.5915

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 133.0310, 36.4667, -29.8452 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(99, 136, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 136, 207)  
}
```

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(99, 136, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 136, 207) }
```

## Border

The CSS property to change the border of an element to YUV 133.0310, 36.4667, -29.8452 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(99, 136, 207) }
```



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

```
.border{ border-color:rgb(99, 136, 207) }
```

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

Here you see how a box with a 4 pixel rgb(99, 136, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 136, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 136, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 136,  
207) }
```

# Background

The CSS property to change the background color of an element to YUV 133.0310, 36.4667, -29.8452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 136, 207) }
```

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

```
.background{ background-color: rgb(99, 136,  
207) }
```

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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