

# Converting Colors

YUV(49.4150, 81.1404,  
-31.9360)

Have a look what the booklet for  
YUV(49.4150, 81.1404, -31.9360)  
contains.

<b>YUV(49.4150, 81.1404, -31.9360)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(49.4150, 81.1404,  
-31.9360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0D24D6
RGB	13, 36, 214
RGB Percent	5%, 14%, 84%
CMY	0.9490, 0.8588, 0.1608
CMYK	0.94, 0.83, 0.00, 0.16
HSL	233°, 89%, 45%
HSV	233°, 94%, 84%
XYZ	12.9345, 6.2024, 64.1338
YIQ	49.4150, -70.8460, 50.4820

# Conversions

## Conversions Part 2

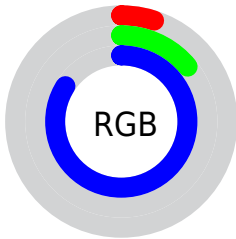
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 34, 214
Decimal	861398
CIELab	29.92, 59.26, -88.48
CIElCh	30, 106.495, 303.812
Yxy	6.2024, 0.1553, 0.0745
Android (android.graphics.Color)	4279051478 (0xFF0D24D6)
YUV	49.4150, 81.1404, -31.9360
Hunter-Lab	24.9045, 49.1231, -135.2496

# Details

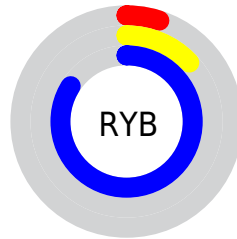
The YUV color **49.4150, 81.1404, -31.9360** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **177.5850, -81.1404, 31.9360**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.4420, 70.2811, -2.1416**, and **18.0120, 69.0141, -15.7965** is the 20% darker color. If you saturate the color by 10%, you get **38.4840, 86.5294, -33.7505**, and if you desaturate by 10%, it is **66.8470, 72.5464, -28.8068**.

# Distribution



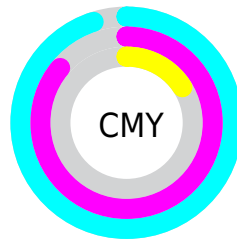
- Red (5%)
- Green (14%)
- Blue (84%)



- Red (5%)
- Yellow (13%)
- Blue (84%)



- Cyan (94%)
- Magenta (83%)
- Yellow (0%)
- Black (16%)



- Cyan (95%)
- Magenta (86%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.4150, 81.1404, -31.9360 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 49.4150, 81.1404, -31.9360 by changing the saturation by 10% instead.



■ 49.4150, 81.1404,  
-31.9360

■ 49.4150, 81.1404,  
-31.9360

■ 255.0000, 0.0000,  
0.0000

■ 26.3730, 78.2031,  
-23.1291

■ 112.4420, 70.2811,  
-2.1416

■ 18.0120, 69.0141,  
-15.7965

■ 136.9840, 58.1819,  
5.2760

■ 14.8200, 56.7837,  
-12.9971

■ 162.4010, 45.6513,  
11.0493

■ 15.3780, 43.6906,  
-13.4865

■ 187.8180, 33.1207,  
16.8226

■ 14.8760, 31.6131,  
-13.0463

■ 213.2350, 20.5901,  
22.5959

■ 9.2050, 22.5769,  
-8.0728

■ 235.0420, 9.8393,

■ 4.9360, 13.8356,

17.5032

-4.3289

252.0650, 1.4470,  
2.5740

0.5700, 2.1840,  
-0.4999

0.0000, 0.0000,  
0.0000

49.4150, 81.1404,  
-31.9360

49.4150, 81.1404,  
-31.9360

38.4840, 86.5294,  
-33.7505

66.8470, 72.5464,  
-28.8068

84.5780, 63.8050,  
-25.0629

102.0100, 55.2111,  
-21.9338

119.7410, 46.4697,  
-18.1899

■ 137.1730, 37.8757,  
-15.0607

■ 154.6050, 29.2817,  
-11.9316

■ 172.3360, 20.5404,  
-8.1877

■ 189.7680, 11.9464,  
-5.0585

■ 207.4990, 3.2050,  
-1.3146

# Harmonies

## Analogous

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



77.1240, 82.2699, -67.6377



49.4150, 81.1404, -31.9360



66.8760, 39.0081, 88.6857

# Triad

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



49.4150, 81.1404, -31.9360



55.0730, -27.1510, 75.3580



64.8850, 7.4517, -56.9041

# Complementary

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



49.4150, 81.1404, -31.9360



177.5850, -81.1404, 31.9360

# 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.



54.5910, -26.9134, -47.8763



49.4150, 81.1404, -31.9360



65.5860, -32.3339, 10.8871

# Square

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



49.4150, 81.1404, -31.9360



55.3150, -27.2703, 113.7337



51.6560, -25.4664, -45.3023



76.2220, 43.2746, -66.8467



# Rectangle

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



49.4150, 81.1404, -31.9360



68.7930, 11.4411, 110.6835



51.6560, -25.4664, -45.3023



60.8780, -5.3629, -53.3900

# Sweetspot

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



49.4150, 81.1404, -31.9360



196.7900, 28.6975, -11.2168



151.2790, 19.5825, -121.2707



91.9510, 17.7722, -6.9730



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.



49.4150, 81.1404, -31.9360



46.0930, 102.9912, -40.4236



58.9370, 76.4461, 27.2423



98.4280, 4.2260, -2.1294



31.2340, 68.9046, -27.3922



7.8370, 17.3354, -6.8730



# Inverse Universe

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



75.7210, -19.5825, 121.2707



79.5510, -24.9216, 153.8688



168.0630, -76.4461, -27.2423



99.5170, -0.7479, 6.5626



53.4090, -16.4706, 103.1273

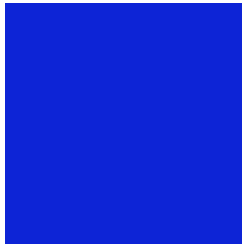


13.4270, -4.1545, 25.9355



# Previews

## White Background



This preview shows how the YUV color 49.4150, 81.1404, -31.9360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

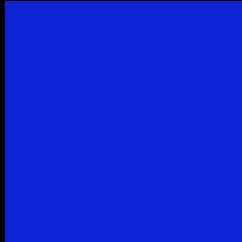
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 49.4150, 81.1404, -31.9360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

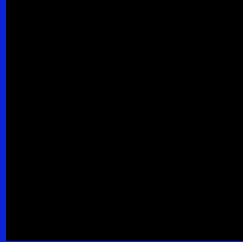
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 49.4150, 81.1404, -31.9360

## Background



This preview shows how black text looks on a background with the YUV color 49.4150, 81.1404, -31.9360.



This preview shows how white text looks on a background with the YUV color 49.4150, 81.1404, -31.9360.



# 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

49.4150, 81.1404, -31.9360

### Protanopia

56.2180, 42.7835, -49.3032

### Deuteranopia

56.6450, 31.7270, -49.6777



## Tritanopia

55.1340, 13.2449, -48.3525

# Trichromacy



## Original Color

49.4150, 81.1404, -31.9360

## Protanomaly

53.6330, 56.8759, -42.6511

## Deuteranomaly

54.3850, 49.6032, -43.3106

## Tritanomaly

53.2960, 37.8151, -42.3556

# Monochromacy



## Original Color

49.4150, 81.1404, -31.9360

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

49.0180, 29.5711, -11.4168

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.4150, 81.1404, -31.9360 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(13, 36, 214)` looks like.

```
.text, #text, p{  
    color:rgb(13, 36, 214)  
}
```

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(13, 36, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 36, 214) }
```

## Border

The CSS property to change the border of an element to YUV 49.4150, 81.1404, -31.9360 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(13, 36, 214) }
```



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

```
.border{ border-color:rgb(13, 36, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 36, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 36, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 36, 214);  
box-shadow:4px 4px 4px 4px rgb(13, 36,  
214) }
```

# Background

The CSS property to change the background color of an element to YUV 49.4150, 81.1404, -31.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 36, 214) }
```

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

```
.background{ background-color: rgb(13, 36,  
214) }
```

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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