

# Converting Colors

YUV(33.3640, 55.0365,  
-12.5972)

Have a look what the booklet for  
YUV(33.3640, 55.0365, -12.5972)  
contains.

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# Color

**YUV(33.3640, 55.0365,  
-12.5972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	131391
RGB	19, 19, 145
RGB Percent	7%, 7%, 57%
CMY	0.9255, 0.9255, 0.4314
CMYK	0.87, 0.87, 0.00, 0.43
HSL	240°, 77%, 32%
HSV	240°, 87%, 57%
XYZ	5.6123, 2.6485, 27.0035
YIQ	33.3640, -40.4460, 39.1860

# Conversions

## Conversions Part 2

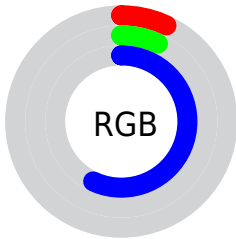
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 19, 145
Decimal	1250193
CIE <sub>Lab</sub>	18.58, 45.66, -66.04
CIE <sub>LCh</sub>	19, 80.288, 304.661
Yxy	2.6485, 0.1591, 0.0751
Android (android.graphics.Color)	4279440273 (0xFF131391)
YUV	33.3640, 55.0365, -12.5972
Hunter-Lab	16.2743, 33.0766, -86.9862

# Details

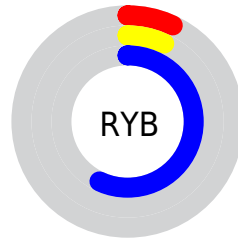
The YUV color **33.3640, 55.0365, -12.5972** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **130.6360, -55.0365, 12.5972**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **89.0500, 54.6983, 2.5872**, and **10.6020, 40.6222, -9.2980** is the 20% darker color. If you saturate the color by 10%, you get **20.9600, 61.1517, -13.9969**, and if you desaturate by 10%, it is **46.6540, 48.4846, -11.0976**.

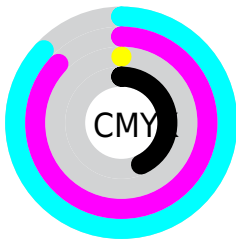
# Distribution



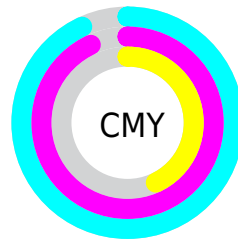
- Red (7%)
- Green (7%)
- Blue (57%)



- Red (7%)
- Yellow (7%)
- Blue (57%)



- Cyan (87%)
- Magenta (87%)
- Yellow (0%)
- Black (43%)



- Cyan (93%)
- Magenta (93%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 33.3640, 55.0365, -12.5972 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 33.3640, 55.0365, -12.5972 by changing the saturation by 10% instead.



■ 33.3640, 55.0365,  
-12.5972

■ 33.3640, 55.0365,  
-12.5972

■ 254.4130, 0.2894,  
0.5148

■ 13.5660, 51.9790,  
-11.8974

■ 89.0500, 54.6983,  
2.5872

■ 10.6020, 40.6222,  
-9.2980

■ 116.0010, 55.7085,  
5.2611

■ 12.4480, 27.3871,  
-10.9169

■ 142.3110, 55.5557,  
7.6203

■ 6.8910, 18.7877,  
-6.0434

■ 166.5430, 43.6093,  
12.6788

■ 3.2090, 9.7570,  
-2.8143

■ 191.0630, 31.5209,  
16.6077

■ 0.0000, 0.0000,  
0.0000

■ 216.4690, 18.9958,

20.6367

■ 237.3900, 8.6817,  
15.4440

■ 33.3640, 55.0365,  
-12.5972

■ 33.3640, 55.0365,  
-12.5972

■ 20.9600, 61.1517,  
-13.9969

■ 46.6540, 48.4846,  
-11.0976

■ 16.5300, 63.3357,  
-14.4968

■ 59.0580, 42.3694,  
-9.6979

■ 72.3480, 35.8174,  
-8.1982

■ 84.7520, 29.7023,  
-6.7985

■ 98.0420, 23.1503,  
-5.2988

■ 110.4460, 17.0351,  
-3.8991

■ 123.7360, 10.4832,  
-2.3995

■ 136.1400, 4.3680,  
-0.9998

■ 149.4300, -2.1840,  
0.4999

# Harmonies

## Analogous

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



50.7360, 57.3182, -44.4955



33.3640, 55.0365, -12.5972



45.4430, 25.4176, 61.0015

# Triad

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



33.3640, 55.0365, -12.5972



36.3240, -17.9077, 50.5819



43.6100, 4.6293, -38.2460

# Complementary

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



33.3640, 55.0365, -12.5972



130.6360, -55.0365, 12.5972

# 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.



36.3940, -17.9422, -31.9175



33.3640, 55.0365, -12.5972



42.2400, -20.8243, 5.9285

# Square

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



33.3640, 55.0365, -12.5972



37.3750, -18.4259, 76.8471



33.4590, -16.4953, -29.3435



50.9230, 30.1110, -44.6595



# Rectangle

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



33.3640, 55.0365, -12.5972



46.4930, 6.1660, 75.8666



33.4590, -16.4953, -29.3435



40.7430, -3.8173, -35.7316

# Sweetspot

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



33.3640, 55.0365, -12.5972



145.5860, 21.4031, -4.8989



107.3260, 18.5733, -77.4619



68.3060, 12.6671, -2.8994



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



33.3640, 55.0365, -12.5972



21.5460, 82.5548, -18.8958



52.2010, 45.7499, 26.1337



64.7980, 3.0576, -0.6998



15.3900, 58.9677, -13.4970



0.9120, 3.4944, -0.7998



# Inverse Universe

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



71.0380, 36.4633, 64.8647



78.0570, 54.6949, 97.2970



111.7990, -45.7499, -26.1337



66.8910, 2.0257, 3.6036



55.7550, 39.0678, 69.4979

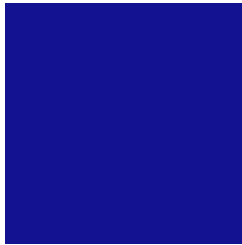


3.3040, 2.3151, 4.1184



# Previews

## White Background



This preview shows how the YUV color 33.3640, 55.0365, -12.5972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

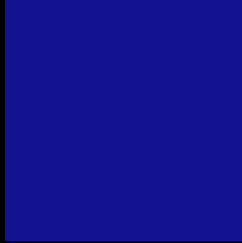
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 33.3640, 55.0365, -12.5972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

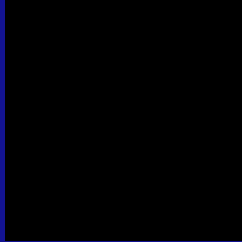
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 33.3640, 55.0365, -12.5972

## Background



This preview shows how black text looks on a background with the YUV color 33.3640, 55.0365, -12.5972.



This preview shows how white text looks on a background with the YUV color 33.3640, 55.0365, -12.5972.



# 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

33.3640, 55.0365, -12.5972

### Protanopia

37.2450, 28.4732, -32.6639

### Deuteranopia

37.2960, 21.0531, -32.7086



## Tritanopia

36.6800, 8.5388, -32.1684

# Trichromacy



## Original Color

33.3640, 55.0365, -12.5972

## Protanomaly

36.1070, 37.9082, -25.5268

## Deuteranomaly

35.6680, 33.6877, -25.1418

## Tritanomaly

35.4910, 25.3939, -24.9866

# Monochromacy



## Original Color

33.3640, 55.0365, -12.5972

## Achromatopsia

33.0000, 0.0000, 0.0000

## Achromatomaly

33.2440, 20.0927, -4.5990

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 33.3640, 55.0365, -12.5972 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(19, 19, 145)` looks like.

```
.text, #text, p{  
    color:rgb(19, 19, 145)  
}
```

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(19, 19, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 19, 145) }
```

## Border

The CSS property to change the border of an element to YUV 33.3640, 55.0365, -12.5972 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(19, 19, 145) }
```



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

```
.border{ border-color:rgb(19, 19, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 19, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 19, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 19, 145);  
box-shadow:4px 4px 4px 4px rgb(19, 19,  
145) }
```

# Background

The CSS property to change the background color of an element to YUV 33.3640, 55.0365, -12.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 19, 145) }
```

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

```
.background{ background-color: rgb(19, 19,  
145) }
```

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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