

# Converting Colors

YUV(29.9550, 48.8292, 18.4565)

Have a look what the booklet for  
YUV(29.9550, 48.8292, 18.4565)  
contains.

<b>YUV(29.9550, 48.8292, 18.4565)</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> .....	30

# Color

**YUV(29.9550, 48.8292,  
18.4565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	330081
RGB	51, 0, 129
RGB Percent	20%, 0%, 51%
CMY	0.8000, 1.0000, 0.4941
CMYK	0.60, 1.00, 0.00, 0.49
HSL	264°, 100%, 25%
HSV	264°, 100%, 51%
XYZ	5.3277, 2.2888, 20.9299
YIQ	29.9550, -11.0130, 50.9310

# Conversions

## Conversions Part 2

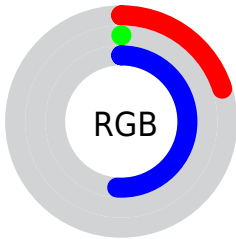
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 0, 129
Decimal	3342465
CIE Lab	16.94, 49.39, -58.64
CIE LCh	17, 76.669, 310.107
Yxy	2.2888, 0.1866, 0.0802
Android (android.graphics.Color)	4281532545 (0xFF330081)
YUV	29.9550, 48.8292, 18.4565
Hunter-Lab	15.1287, 36.3847, -71.4347

# Details

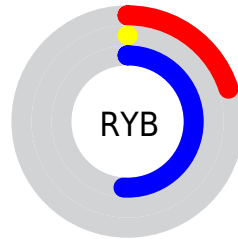
The YUV color **29.9550, 48.8292, 18.4565** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **99.0450, -48.8292, -18.4565**, and the grayscale version is **29.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.3250, 47.6608, 19.8860**, and **8.8920, 34.0702, -7.7983** is the 20% darker color. If you saturate the color by 10%, you get **29.9550, 48.8292, 18.4565**, and if you desaturate by 10%, it is **39.9780, 43.8878, 16.6823**.

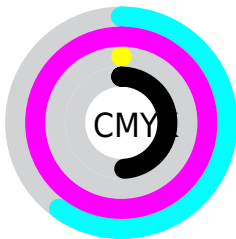
# Distribution



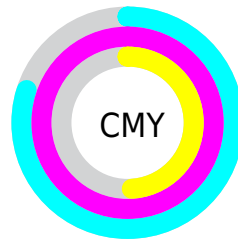
- Red (20%)
- Green (0%)
- Blue (51%)



- Red (20%)
- Yellow (0%)
- Blue (51%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (49%)



- Cyan (80%)
- Magenta (100%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 29.9550, 48.8292, 18.4565 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 29.9550, 48.8292, 18.4565 by changing the saturation by 10% instead.



■ 29.9550, 48.8292,  
18.4565

■ 29.9550, 48.8292,  
18.4565

■ 249.1300, 2.8939,  
5.1480

■ 15.9280, 42.9265,  
-1.6909

■ 86.3250, 47.6608,  
19.8860

■ 8.8920, 34.0702,  
-7.7983

■ 112.5640, 48.5289,  
21.4304

■ 9.0910, 22.1401,  
-7.9728

■ 139.5040, 49.5445,  
22.3600

■ 4.8220, 13.3988,  
-4.2289

■ 165.1470, 44.2975,  
25.3041

■ 0.4560, 1.7472,  
-0.3999

■ 189.9660, 32.0618,  
29.8478

■ 0.0000, 0.0000,  
0.0000

■ 215.0730, 19.6840,

33.2620

■ 232.1070, 11.2862,  
20.0772

■ 29.9550, 48.8292,  
18.4565

■ 39.9780, 43.8878,  
16.6823

■ 50.0010, 38.9465,  
14.9081

■ 59.7250, 34.1526,  
12.5192

■ 69.7480, 29.2112,  
10.7450

■ 79.7710, 24.2699,  
8.9708

■ 89.2070, 19.6179,  
7.7115

■ 99.2300, 14.6766,  
5.9373

■ 108.9540, 9.8827,  
3.5483

■ 118.9770, 4.9413,  
1.7742

# Harmonies

## Analogous

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



45.2590, 54.1023, -39.6921



29.9550, 48.8292, 18.4565



43.3200, 18.5762, 61.9864

# Triad

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



29.9550, 48.8292, 18.4565



37.1330, -18.3066, 38.4714



42.0600, 8.8444, -36.8866

# Complementary

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



29.9550, 48.8292, 18.4565



99.0450, -48.8292, -18.4565

# 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.



34.0460, -16.7847, -29.8583



29.9550, 48.8292, 18.4565



37.4670, -18.4712, -2.1636

# Square

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



29.9550, 48.8292, 18.4565



33.7870, -16.6570, 69.4698



31.6980, -15.6271, -27.7991



48.8030, 32.1421, -42.8002



# Rectangle

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



29.9550, 48.8292, 18.4565



42.8040, 1.0826, 72.9629



31.6980, -15.6271, -27.7991



39.3070, 0.8346, -34.4722

# Sweetspot

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



29.9550, 48.8292, 18.4565



129.6800, 18.8918, 7.2966



61.6660, 33.1957, -54.0811



61.0080, 11.3351, 4.3780



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



29.9550, 48.8292, 18.4565



39.1850, 63.5058, 24.3938



48.7920, 39.5425, 57.1874



58.6950, 2.6154, 1.1445



29.5420, 48.5398, 17.9417



0.0000, 0.0000, 0.0000



# Inverse Universe

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



47.4630, 15.0547, 71.5079



61.8600, 19.7890, 93.0848



80.2080, -39.5425, -57.1874



59.5490, 0.7153, 3.9035



47.0500, 14.7654, 70.9931

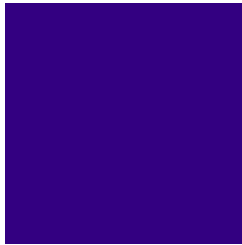


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 29.9550, 48.8292, 18.4565 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

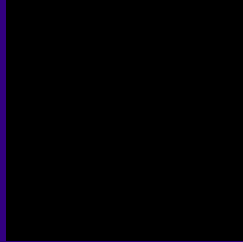
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 29.9550, 48.8292, 18.4565

## Background



This preview shows how black text looks on a background with the YUV color 29.9550, 48.8292, 18.4565.



This preview shows how white text looks on a background with the YUV color 29.9550, 48.8292,



# 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

36.3160, 27.4522, -31.8491

### Deuteranopia

36.5950, 20.9057, -32.0938

### Tritanopia

39.0940, 7.3487, -23.7614

# Trichromacy



## Protanomaly

34.0870, 34.9601, -13.2313

## Deuteranomaly

34.3490, 30.8869, -13.4611

## Tritanomaly

35.7920, 22.2875, -8.5876

# Monochromacy



## Achromatopsia

30.0000, 0.0000, 0.0000

## Achromatomaly

30.0390, 17.7288, 6.9818

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 29.9550, 48.8292, 18.4565 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(51, 0, 129)` looks like.

```
.text, #text, p{  
    color:rgb(51, 0, 129)  
}
```

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(51, 0, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 0, 129) }
```

## Border

The CSS property to change the border of an element to YUV 29.9550, 48.8292, 18.4565 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(51, 0, 129) }
```

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

```
.border{ border-color:rgb(51, 0, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 0, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(51, 0, 129)  
}
```



# Background

The CSS property to change the background color of an element to YUV 29.9550, 48.8292, 18.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 0, 129) }
```

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

```
.background{ background-color: rgb(51, 0,  
129) }
```

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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