

# Converting Colors

YUV(105.5940, 49.9932,  
65.2541)

Have a look what the booklet for  
YUV(105.5940, 49.9932, 65.2541)  
contains.

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# Color

**YUV(105.5940, 49.9932,  
65.2541)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B430CF
RGB	180, 48, 207
RGB Percent	71%, 19%, 81%
CMY	0.2941, 0.8118, 0.1882
CMYK	0.13, 0.77, 0.00, 0.19
HSL	290°, 62%, 50%
HSV	290°, 77%, 81%
XYZ	31.1418, 16.3222, 60.5406
YIQ	105.5940, 27.6330, 77.4330

# Conversions

## Conversions Part 2

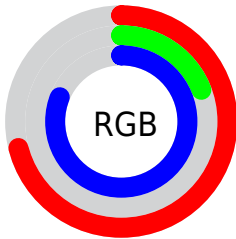
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">180, 48, 207</a>
Decimal	<a href="#">11808975</a>
CIELab	<a href="#">47.39, 71.45, -55.16</a>
CIElCh	<a href="#">47, 90.261, 322.331</a>
Yxy	<a href="#">16.3222, 0.2883, 0.1511</a>
Android (android.graphics.Color)	<a href="#">4289999055 (0xFFB430CF)</a>
YUV	<a href="#">105.5940, 49.9932, 65.2541</a>
Hunter-Lab	<a href="#">40.4007, 66.8907, -60.5657</a>

# Details

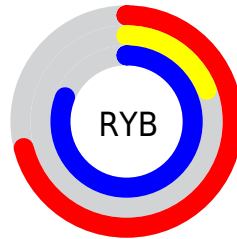
The YUV color **105.5940, 49.9932, 65.2541** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **149.4060, -49.9932, -65.2541**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **164.5140, 44.6096, 65.3242**, and **53.8060, 48.4096, 59.8061** is the 20% darker color. If you saturate the color by 10%, you get **92.0710, 56.6600, 73.6057**, and if you desaturate by 10%, it is **119.1170, 43.3263, 56.9024**.

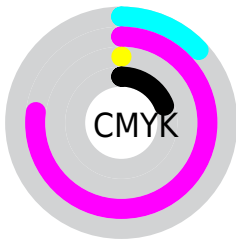
# Distribution



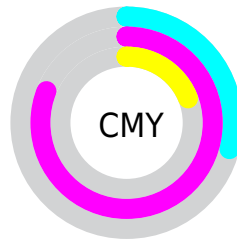
- Red (71%)
- Green (19%)
- Blue (81%)



- Red (71%)
- Yellow (19%)
- Blue (81%)



- Cyan (13%)
- Magenta (77%)
- Yellow (0%)
- Black (19%)




- Cyan (29%)
- Magenta (81%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 105.5940, 49.9932, 65.2541 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 105.5940, 49.9932, 65.2541 by changing the saturation by 10% instead.





 105.5940, 49.9932,  
65.2541


 105.5940, 49.9932,  
65.2541


255.0000, 0.0000,  
0.0000


 65.5550, 55.9284,  
74.9353


 164.5140, 44.6096,  
65.3242


 53.8060, 48.4096,  
59.8061


 185.7340, 34.1481,  
60.7463


 42.3560, 40.7435,  
45.2918


 202.7570, 25.7558,  
45.8171

 31.0200, 33.5141,  
30.6775

 219.7800, 17.3635,  
30.8879

 20.2110, 27.0110,  
16.4780

 236.8030, 8.9711,  
15.9588

 5.8140, 22.2767,  
-5.0989

254.4130, 0.2894,

 4.4800, 12.0884,

0.5148

-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 105.5940, 49.9932,  
65.2541

■ 105.5940, 49.9932,  
65.2541

■ 92.0710, 56.6600,  
73.6057

■ 119.1170, 43.3263,  
56.9024

■ 79.4340, 62.8900,  
82.0574

■ 131.7540, 37.0963,  
48.4507

■ 75.0260, 65.0632,  
85.0462

■ 145.2770, 30.4294,  
40.0991

■ 158.5010, 23.9100,  
31.1326

■ 172.0240, 17.2432,  
22.7810

■ 184.6610, 11.0131,  
14.3293

■ 198.1840, 4.3463,  
5.9776

■ 211.4080, -2.1731,  
-2.9888

■ 224.3440, -8.5506,  
-10.8257

# Harmonies

## Analogous

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



88.9440, 81.8656, -78.0039



105.5940, 49.9932, 65.2541



84.7580, 24.7693, 129.1312

# Triad

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



105.5940, 49.9932, 65.2541



106.5070, -52.5080, 41.6514



102.6200, 32.7253, -89.9977

# Complementary

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



105.5940, 49.9932, 65.2541



149.4060, -49.9932, -65.2541

# 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.



93.0270, -1.4923, -81.5847



105.5940, 49.9932, 65.2541



97.8930, -48.2612, -13.9382

# Square

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



105.5940, 49.9932, 65.2541



96.8140, -47.7293, 95.7561



79.8320, -39.3572, -70.0127



108.8560, 61.6960, -95.4667



# Rectangle

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



105.5940, 49.9932, 65.2541



81.1510, 1.8976, 138.4336



79.8320, -39.3572, -70.0127



99.6560, 21.3686, -87.3983

# Sweetspot

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



105.5940, 49.9932, 65.2541



217.3770, 18.5481, 24.2254



83.1490, 61.0585, -30.8257



104.7750, 11.4499, 14.2293



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.



105.5940, 49.9932, 65.2541



105.0950, 73.9032, 96.3867



107.9670, 24.1733, 86.8519



97.9450, 3.4781, 4.4332



61.0120, 52.7451, 69.2725



14.8400, 12.8969, 16.8033



# Inverse Universe

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



98.6190, -11.6442, 95.0501



94.8250, -17.1687, 140.4735



147.0330, -24.1733, -86.8519



97.5170, -0.7479, 6.5626



53.5380, -12.0972, 100.3832



13.0570, -2.9861, 24.5060



# Previews

## White Background



This preview shows how the YUV color 105.5940, 49.9932, 65.2541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

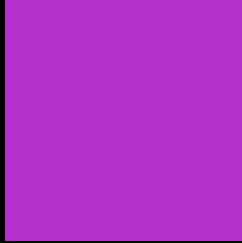
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 105.5940, 49.9932, 65.2541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

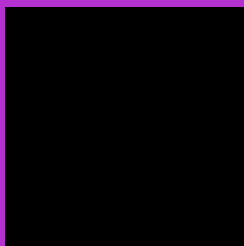
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 105.5940, 49.9932, 65.2541

## Background



This preview shows how black text looks on a background with the YUV color 105.5940, 49.9932, 65.2541.



This preview shows how white text looks on a background with the YUV color 105.5940, 49.9932, 65.2541.



# 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

105.5940, 49.9932, 65.2541

### Protanopia

90.3170, 69.3567, -79.2080

### Deuteranopia

103.0160, 45.8411, -50.0030



## Tritanopia

113.2230, -7.9979, 45.4084

# Trichromacy



## Original Color

105.5940, 49.9932, 65.2541



## Protanomaly

95.8120, 62.2107, -27.0221



## Deuteranomaly

104.0350, 47.3107, -7.9237



## Tritanomaly

110.4730, 13.0778, 52.2052

# Monochromacy



## Original Color

105.5940, 49.9932, 65.2541



## Achromatopsia

106.0000, 0.0000, 0.0000



## Achromatomaly

105.9640, 18.2587, 23.7106

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 105.5940, 49.9932, 65.2541 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(180, 48, 207)` looks like.

```
.text, #text, p{  
    color:rgb(180, 48, 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(180, 48, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 48, 207) }
```

## Border

The CSS property to change the border of an element to YUV 105.5940, 49.9932, 65.2541 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(180, 48, 207) }
```



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

```
.border{ border-color:rgb(180, 48, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 48, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 48, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 48, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 48,  
207) }
```

# Background

The CSS property to change the background color of an element to YUV 105.5940, 49.9932, 65.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 48, 207) }
```

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

```
.background{ background-color: rgb(180, 48,  
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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