

Converting Colors

YUV(70.8580, 49.3700, 31.6965)

Have a look what the booklet for
YUV(70.8580, 49.3700, 31.6965)
contains.

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Color

**YUV(70.8580, 49.3700,
31.6965)**

Conversions

Conversions Part 1

Format	Color
Hex	6B21AB
RGB	107, 33, 171
RGB Percent	42%, 13%, 67%
CMY	0.5804, 0.8706, 0.3294
CMYK	0.37, 0.81, 0.00, 0.33
HSL	272°, 68%, 40%
HSV	272°, 81%, 67%
XYZ	13.9579, 7.1538, 39.1732
YIQ	70.8580, -0.1940, 58.6060

Conversions

Conversions Part 2

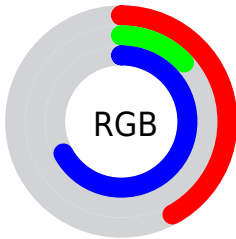
Format	Color
R_{YB}	107, 33, 171
Decimal	7020971
CIE _{Lab}	32.15, 56.23, -59.22
CIE _{LCh}	32, 81.664, 313.517
Yxy	7.1538, 0.2315, 0.1187
Android (android.graphics.Color)	4285211051 (0xFF6B21AB)
YUV	70.8580, 49.3700, 31.6965
Hunter-Lab	26.7466, 46.3454, -68.1140

Details

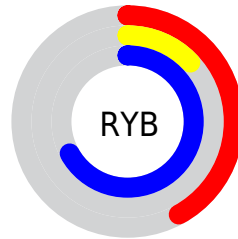
The YUV color **70.8580, 49.3700, 31.6965** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **133.1420, -49.3700, -31.6965**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **125.9830, 49.8014, 33.3409**, and **27.9890, 43.8824, 18.4266** is the 20% darker color. If you saturate the color by 10%, you get **58.4870, 55.4689, 35.5299**, and if you desaturate by 10%, it is **83.2290, 43.2711, 27.8632**.

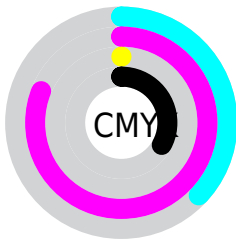
Distribution



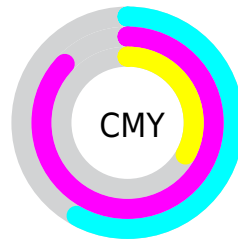
- Red (42%)
- Green (13%)
- Blue (67%)



- Red (42%)
- Yellow (13%)
- Blue (67%)



- Cyan (37%)
- Magenta (81%)
- Yellow (0%)
- Black (33%)



- Cyan (58%)
- Magenta (87%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YUV color 70.8580, 49.3700, 31.6965 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 70.8580, 49.3700, 31.6965 by changing the saturation by 10% instead.

70.8580, 49.3700,
31.6965

70.8580, 49.3700,
31.6965

255.0000, 0.0000,
0.0000

40.0370, 51.2538,
34.1706

125.9830, 49.8014,
33.3409

27.9890, 43.8824,
18.4266

153.6950, 49.9434,
34.4705

15.8700, 37.5321,
1.8680

178.2150, 37.8550,
38.3994

7.6380, 29.2655,
-6.6985

203.0340, 25.6192,
42.9432

6.7770, 18.3509,
-5.9434

220.3670, 17.0741,
30.3731

3.0950, 9.3202,
-2.7143

237.3900, 8.6817,

0.0000, 0.0000,

15.4440

0.0000

254.4130, 0.2894,
0.5148

■ 70.8580, 49.3700,
31.6965

■ 70.8580, 49.3700,
31.6965

■ 58.4870, 55.4689,
35.5299

■ 83.2290, 43.2711,
27.8632

■ 47.0020, 61.1310,
39.4632

■ 95.6000, 37.1722,
24.0298

■ 107.9710, 31.0733,
20.1964

■ 120.3420, 24.9744,
16.3631

■ 133.3000, 18.5861,
12.0149

■ 145.6710, 12.4872,
8.1815

■ 158.0420, 6.3883,
4.3482

■ 170.1140, 0.4368,
-0.1000

■ 182.4850, -5.6621,
-3.9333

Harmonies

Analogous

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



67.8680, 67.1131, -59.5202



70.8580, 49.3700, 31.6965



62.9290, 25.1780, 91.2703

Triad

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



70.8580, 49.3700, 31.6965



70.8120, -34.9103, 44.0149



69.9690, 16.7773, -61.3628

Complementary

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



70.8580, 49.3700, 31.6965



133.1420, -49.3700, -31.6965

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.



60.9290, -12.7830, -53.4347



70.8580, 49.3700, 31.6965



67.8680, -33.4589, -1.6382

Square

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



70.8580, 49.3700, 31.6965



48.1390, -23.7325, 98.9791



54.5910, -26.9134, -47.8763



76.9230, 43.4220, -67.4615

Rectangle

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



70.8580, 49.3700, 31.6965



61.7290, 5.0636, 102.8467



54.5910, -26.9134, -47.8763



66.8740, 7.4571, -58.6485

Sweetspot

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



70.8580, 49.3700, 31.6965



183.4140, 19.0229, 11.9149



86.3000, 41.7571, -46.7441



88.7310, 11.4716, 7.2519



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000

Same Dimension

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



70.8580, 49.3700, 31.6965



65.8950, 76.9598, 49.2041



89.4240, 37.7520, 71.5422



80.5210, 3.1941, 2.1741



41.3190, 53.5797, 34.8002



6.2100, 8.2775, 5.0778

Inverse Universe

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



81.5580, 7.6129, 78.4406



82.5710, 11.5505, 122.2792



114.5760, -37.7520, -71.5422



81.1470, 0.4205, 5.1331



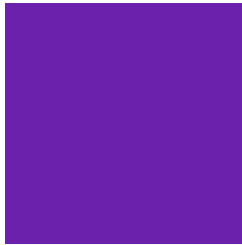
52.8300, 8.4648, 85.2181



8.1310, 1.4144, 13.0401

Previews

White Background



This preview shows how the YUV color 70.8580, 49.3700, 31.6965 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

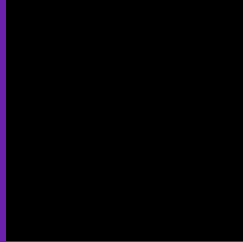
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 70.8580, 49.3700, 31.6965

Background



This preview shows how black text looks on a background with the YUV color 70.8580, 49.3700, 31.6965.



This preview shows how white text looks on a background with the YUV color 70.8580, 49.3700,

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

70.8580, 49.3700, 31.6965

Protanopia

61.2220, 46.7256, -53.6917

Deuteranopia

61.1760, 36.3952, -53.6514



Tritanopia

77.4680, 0.2623, 9.2366

Trichromacy



Original Color

70.8580, 49.3700, 31.6965

Protanomaly

64.6480, 47.5015, -22.4933

Deuteranomaly

64.9270, 40.9550, -22.7380

Tritanomaly

75.2190, 18.1330, 17.3479

Monochromacy



Original Color

70.8580, 49.3700, 31.6965

Achromatopsia

71.0000, 0.0000, 0.0000

Achromatomaly

70.7730, 17.8599, 11.6001

CSS Examples

Text

The CSS property to change the color of the text to YUV 70.8580, 49.3700, 31.6965 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(107, 33, 171)` looks like.

```
.text, #text, p{  
    color:rgb(107, 33, 171)  
}
```

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(107, 33, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 33, 171) }
```

Border

The CSS property to change the border of an element to YUV 70.8580, 49.3700, 31.6965 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(107, 33, 171) }
```


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

```
.border{ border-color:rgb(107, 33, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 33, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 33, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 33, 171);  
box-shadow:4px 4px 4px 4px rgb(107, 33,  
171) }
```

Background

The CSS property to change the background color of an element to YUV 70.8580, 49.3700, 31.6965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 33, 171) }
```

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

```
.background{ background-color: rgb(107, 33,  
171) }
```

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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