

# Converting Colors

YUV(63.2790, 24.0195, 42.7283)

Have a look what the booklet for  
YUV(63.2790, 24.0195, 42.7283)  
contains.

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# Color

**YUV(63.2790, 24.0195,  
42.7283)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	701D70
RGB	112, 29, 112
RGB Percent	44%, 11%, 44%
CMY	0.5608, 0.8863, 0.5608
CMYK	0.00, 0.74, 0.00, 0.56
HSL	300°, 59%, 28%
HSV	300°, 74%, 44%
XYZ	10.0461, 5.4933, 15.8601
YIQ	63.2790, 22.8250, 43.4090

# Conversions

## Conversions Part 2

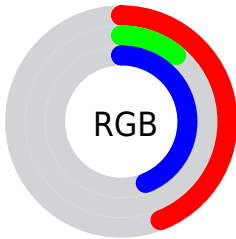
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 29, 112
Decimal	7347568
CIE <sub>Lab</sub>	28.10, 46.33, -29.20
CIE <sub>LCh</sub>	28, 54.769, 327.778
Yxy	5.4933, 0.3199, 0.1749
Android (android.graphics.Color)	4285537648 (0xFF701D70)
YUV	63.2790, 24.0195, 42.7283
Hunter-Lab	23.4378, 35.4936, -23.7142

# Details

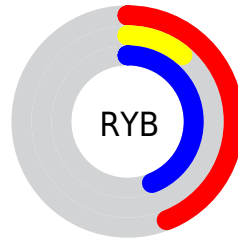
The YUV color **63.2790, 24.0195, 42.7283** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **77.7210, -24.0195, -42.7283**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **116.4640, 23.4352, 43.4431**, and **25.2360, 19.1107, 30.4880** is the 20% darker color. If you saturate the color by 10%, you get **56.8220, 27.2028, 48.3911**, and if you desaturate by 10%, it is **69.7360, 20.8362, 37.0655**.

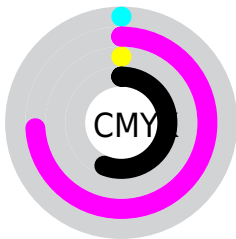
# Distribution



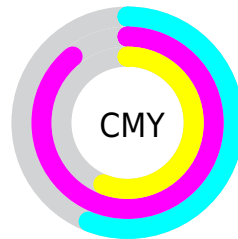
- Red (44%)
- Green (11%)
- Blue (44%)



- Red (44%)
- Yellow (11%)
- Blue (44%)



- Cyan (0%)
- Magenta (74%)
- Yellow (0%)
- Black (56%)



- Cyan (56%)
- Magenta (89%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 63.2790, 24.0195, 42.7283 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 63.2790, 24.0195, 42.7283 by changing the saturation by 10% instead.



63.2790, 24.0195,  
42.7283

63.2790, 24.0195,  
42.7283

255.0000, 0.0000,  
0.0000

35.6320, 25.3244,  
44.1727

116.4640, 23.4352,  
43.4431

25.2360, 19.1107,  
30.4880

143.1760, 23.5772,  
44.5726

16.3350, 12.1598,  
19.8772

170.8880, 23.7192,  
45.7022

2.7530, 8.0098,  
-2.4144

198.7140, 24.2980,  
46.7318

0.0000, 0.0000,  
0.0000

216.8450, 18.8104,  
33.4619

233.2810, 10.7075,

19.0476

250.3040, 2.3151,  
4.1184

63.2790, 24.0195,  
42.7283

63.2790, 24.0195,  
42.7283

56.8220, 27.2028,  
48.3911

69.7360, 20.8362,  
37.0655

50.3650, 30.3861,  
54.0539

76.1930, 17.6529,  
31.4027

46.2560, 32.4118,  
57.6575

83.2370, 14.1802,  
25.2252

89.6940, 10.9969,  
19.5624

96.1510, 7.8136,  
13.8996

■ 102.6080, 4.6303,  
8.2368

■ 109.0650, 1.4470,  
2.5740

■ 116.1090, -2.0257,  
-3.6036

■ 122.5660, -5.2090,  
-9.2664

# Harmonies

## Analogous

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



64.0100, 38.4491, -12.2868



63.2790, 24.0195, 42.7283



48.7580, 10.9653, 76.5112

# Triad

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



63.2790, 24.0195, 42.7283



62.9830, -31.0506, 19.3089



61.2780, 21.5549, -53.7408

# Complementary

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



63.2790, 24.0195, 42.7283



77.7210, -24.0195, -42.7283

# 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.



55.7890, 3.0620, -48.9270



63.2790, 24.0195, 42.7283



57.1810, -28.1902, -11.5597

# Square

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



63.2790, 24.0195, 42.7283



60.5120, -29.8324, 48.6630



49.2570, -16.8887, -43.1984



63.2790, 36.8375, -55.4957



# Rectangle

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



63.2790, 24.0195, 42.7283



45.9790, -0.9756, 79.8254



49.2570, -16.8887, -43.1984



59.6820, 15.4398, -52.3411

# Sweetspot

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



63.2790, 24.0195, 42.7283



126.2160, 9.2605, 16.4736



38.4620, 36.2542, -8.2982



62.8470, 5.4984, 9.7812



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



63.2790, 24.0195, 42.7283



69.2770, 37.3314, 66.4091



58.4910, 5.6739, 46.9274



52.4780, 1.7363, 3.0888



49.5600, 34.7269, 61.7759



102.0110, 71.4796, 127.1554



# Inverse Universe

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



63.2790, 24.0195, 42.7283



69.2770, 37.3314, 66.4091



82.3950, -6.1107, -46.8274



52.4780, 1.7363, 3.0888



49.5600, 34.7269, 61.7759



102.0110, 71.4796, 127.1554



# Previews

## White Background



This preview shows how the YUV color 63.2790, 24.0195, 42.7283 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

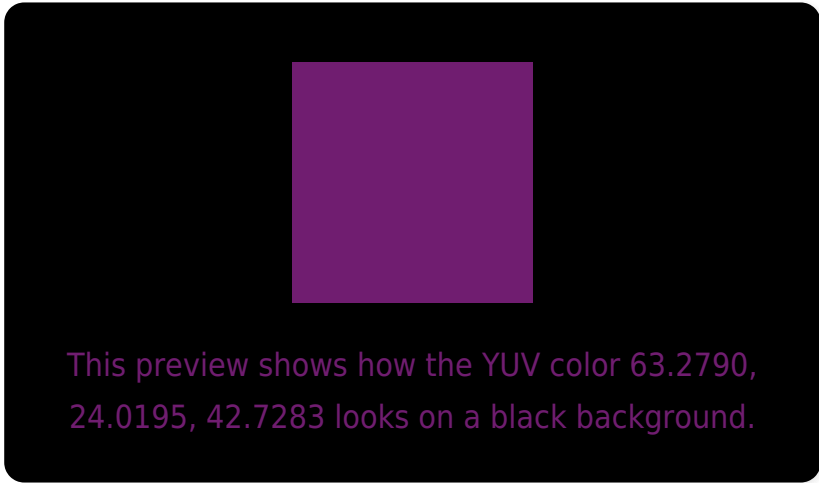
Any Text WCAG AA ✓ Pass

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

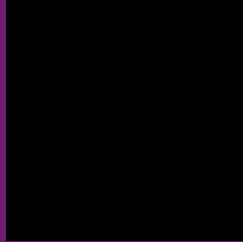
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 63.2790, 24.0195, 42.7283

## Background



This preview shows how black text looks on a background with the YUV color 63.2790, 24.0195, 42.7283.



This preview shows how white text looks on a background with the YUV color 63.2790, 24.0195,



# 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

63.2790, 24.0195, 42.7283

### Protanopia

54.0010, 41.9045, -47.3589

### Deuteranopia

66.0530, 19.6939, -16.7095



## Tritanopia

66.9010, -6.3602, 33.4128

# Trichromacy



## Original Color

63.2790, 24.0195, 42.7283

## Protanomaly

57.4890, 35.2549, -14.4609

## Deuteranomaly

65.2390, 21.0812, 5.0524

## Tritanomaly

65.4960, 4.6855, 37.2760

# Monochromacy



## Original Color

63.2790, 24.0195, 42.7283

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

63.3900, 8.6817, 15.4440

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 63.2790, 24.0195, 42.7283 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(112, 29, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 29, 112)  
}
```

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(112, 29, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 29, 112) }
```

## Border

The CSS property to change the border of an element to YUV 63.2790, 24.0195, 42.7283 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(112, 29, 112) }
```



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

```
.border{ border-color:rgb(112, 29, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 29, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 29, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 29, 112); box-shadow:4px 4px 4px 4px rgb(112, 29, 112) }
```

# Background

The CSS property to change the background color of an element to YUV 63.2790, 24.0195, 42.7283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 29, 112) }
```

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

```
.background{ background-color: rgb(112, 29,  
112) }
```

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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