

# Converting Colors

YUV(60.4730, 63.3638, 23.2642)

Have a look what the booklet for  
YUV(60.4730, 63.3638, 23.2642)  
contains.

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# Color

**YUV(60.4730, 63.3638,  
23.2642)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5716BD
RGB	87, 22, 189
RGB Percent	34%, 9%, 74%
CMY	0.6588, 0.9137, 0.2588
CMYK	0.54, 0.88, 0.00, 0.26
HSL	263°, 79%, 41%
HSV	263°, 88%, 74%
XYZ	13.4027, 6.2742, 48.6487
YIQ	60.4730, -14.8670, 65.7170

# Conversions

## Conversions Part 2

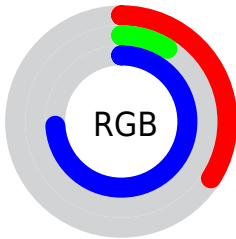
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 22, 189
Decimal	5707453
CIE Lab	30.09, 61.57, -73.43
CIE LCh	30, 95.822, 309.980
Yxy	6.2742, 0.1962, 0.0918
Android (android.graphics.Color)	4283897533 (0xFF5716BD)
YUV	60.4730, 63.3638, 23.2642
Hunter-Lab	25.0483, 51.6761, -97.6190

# Details

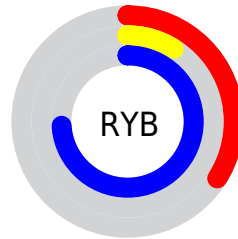
The YUV color **60.4730, 63.3638, 23.2642** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **150.5270, -63.3638, -23.2642**, and the grayscale version is **60.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.4840, 63.3584, 25.0085**, and **15.2760, 58.5309, -13.3971** is the 20% darker color. If you saturate the color by 10%, you get **45.7320, 70.6311, 25.6680**, and if you desaturate by 10%, it is **75.2140, 56.0965, 20.8603**.

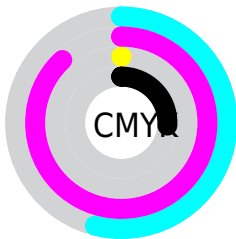
# Distribution



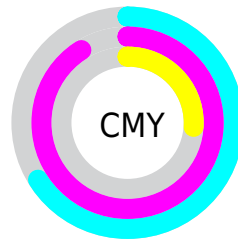
- Red (34%)
- Green (9%)
- Blue (74%)



- Red (34%)
- Yellow (9%)
- Blue (74%)



- Cyan (54%)
- Magenta (88%)
- Yellow (0%)
- Black (26%)



- Cyan (66%)
- Magenta (91%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 60.4730, 63.3638, 23.2642 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 60.4730, 63.3638, 23.2642 by changing the saturation by 10% instead.



■ 60.4730, 63.3638,  
23.2642

■ 60.4730, 63.3638,  
23.2642

■ 255.0000, 0.0000,  
0.0000

■ 34.5000, 62.3645,  
17.1015

■ 118.4840, 63.3584,  
25.0085

■ 15.2760, 58.5309,  
-13.3971

■ 143.6280, 54.9064,  
29.2672

■ 12.3120, 47.1742,  
-10.7976

■ 168.4470, 42.6706,  
33.8110

■ 9.3480, 35.8174,  
-8.1982

■ 194.1520, 29.9981,  
38.4547

■ 10.1340, 23.5979,  
-8.8875

■ 215.6710, 19.3892,  
34.4915


■ 5.2780, 15.1459,  
-4.6288

■ 232.1070, 11.2862,


■ 1.2540, 4.8048,


20.0772


-1.0998


 249.1300, 2.8939,  
5.1480


 0.0000, 0.0000,  
0.0000


 60.4730, 63.3638,  
23.2642


 60.4730, 63.3638,  
23.2642

 45.7320, 70.6311,  
25.6680


 75.2140, 56.0965,  
20.8603

 43.6720, 71.6467,  
26.5977

 89.6560, 48.9766,  
17.8417

 104.3970, 41.7093,  
15.4378

 118.8390, 34.5894,  
12.4192

 133.5800, 27.3221,  
10.0153

■ 147.4350, 20.4915,  
7.5115

■ 162.1760, 13.2242,  
5.1076

■ 176.6180, 6.1043,  
2.0890

■ 191.3590, -1.1630,  
-0.3148

# Harmonies

## Analogous

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



70.7350, 75.5596, -62.0346



60.4730, 63.3638, 23.2642



64.9660, 29.1038, 92.1148

# Triad

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



60.4730, 63.3638, 23.2642



64.0890, -31.5959, 54.2959



66.5950, 14.0037, -58.4038

# Complementary

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



60.4730, 63.3638, 23.2642



150.5270, -63.3638, -23.2642

# 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.



55.5030, -23.4190, -48.6761



60.4730, 63.3638, 23.2642



64.0470, -31.5752, 0.8358

# Square

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



60.4730, 63.3638, 23.2642



50.8300, -25.0592, 104.5121



51.6560, -25.4664, -45.3023



76.0910, 45.3111, -66.7318



# Rectangle

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



60.4730, 63.3638, 23.2642



64.4630, 5.1947, 107.4649



51.6560, -25.4664, -45.3023



63.0440, 2.9363, -55.2896

# Sweetspot

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



60.4730, 63.3638, 23.2642



193.9990, 25.1435, 8.7709



101.4990, 43.1380, -69.7206



91.9310, 14.8240, 5.3225



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



60.4730, 63.3638, 23.2642



56.3350, 93.0118, 33.9092



85.2900, 51.1290, 74.2907



87.2220, 3.3416, 1.5593



36.5500, 59.8749, 22.3197



7.1220, 11.7719, 4.2780



# Inverse Universe

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



83.5610, 19.9364, 92.4700



90.3550, 29.4050, 135.6237



125.7100, -51.1290, -74.2907



88.3750, 1.2941, 4.9331



58.3000, 19.0791, 87.4369

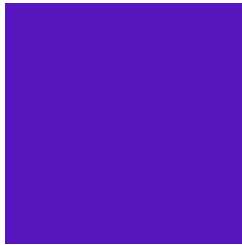


11.4350, 3.7295, 17.1585



# Previews

## White Background



This preview shows how the YUV color 60.4730, 63.3638, 23.2642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

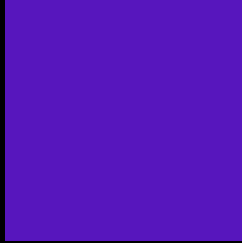
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 60.4730, 63.3638, 23.2642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

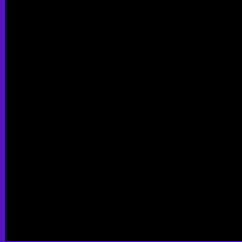
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 60.4730, 63.3638, 23.2642

## Background



This preview shows how black text looks on a background with the YUV color 60.4730, 63.3638, 23.2642.



This preview shows how white text looks on a background with the YUV color 60.4730, 63.3638,



# 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

60.4730, 63.3638, 23.2642

### Protanopia

57.1470, 43.8045, -50.1179

### Deuteranopia

57.5740, 32.7480, -50.4924



## Tritanopia

69.2090, 6.3060, -15.9693

# Trichromacy



## Original Color

60.4730, 63.3638, 23.2642

## Protanomaly

58.5600, 50.9959, -23.2931

## Deuteranomaly

58.7250, 44.0126, -23.4378

## Tritanomaly

65.8020, 27.2126, -1.5804

# Monochromacy



## Original Color

60.4730, 63.3638, 23.2642

## Achromatopsia

60.0000, 0.0000, 0.0000

## Achromatomaly

60.1300, 23.1069, 8.6560

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 60.4730, 63.3638, 23.2642 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(87, 22, 189)` looks like.

```
.text, #text, p{  
    color:rgb(87, 22, 189)  
}
```

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(87, 22, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 22, 189) }
```

## Border

The CSS property to change the border of an element to YUV 60.4730, 63.3638, 23.2642 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(87, 22, 189) }
```



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

```
.border{ border-color:rgb(87, 22, 189) }
```

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

Here you see how a box with a 4 pixel rgb(87, 22, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 22, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 22, 189);  
box-shadow:4px 4px 4px 4px rgb(87, 22,  
189) }
```

# Background

The CSS property to change the background color of an element to YUV 60.4730, 63.3638, 23.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 22, 189) }
```

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

```
.background{ background-color: rgb(87, 22,  
189) }
```

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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