

# Converting Colors

YUV(52.1680, 42.3152, 7.7457)

Have a look what the booklet for  
YUV(52.1680, 42.3152, 7.7457)  
contains.

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# Color

**YUV(52.1680, 42.3152,  
7.7457)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D1F8A
RGB	61, 31, 138
RGB Percent	24%, 12%, 54%
CMY	0.7608, 0.8784, 0.4588
CMYK	0.56, 0.78, 0.00, 0.46
HSL	257°, 63%, 33%
HSV	257°, 78%, 54%
XYZ	7.0019, 3.8071, 24.4105
YIQ	52.1680, -16.4670, 39.6370

# Conversions

## Conversions Part 2

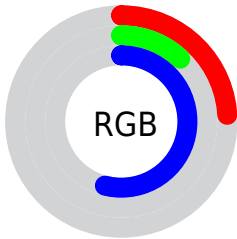
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	61, 31, 138
Decimal	4005770
CIE Lab	23.02, 41.40, -54.22
CIE LCh	23, 68.216, 307.365
Yxy	3.8071, 0.1988, 0.1081
Android (android.graphics.Color)	4282195850 (0xFF3D1F8A)
YUV	52.1680, 42.3152, 7.7457
Hunter-Lab	19.5117, 29.9106, -60.5180

# Details

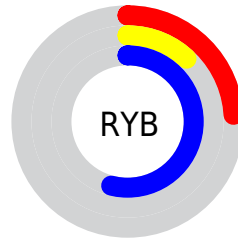
The YUV color **52.1680, 42.3152, 7.7457** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **116.8320, -42.3152, -7.7457**, and the grayscale version is **52.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.2440, 43.7567, 12.0640**, and **9.9180, 38.0014, -8.6981** is the 20% darker color. If you saturate the color by 10%, you get **40.9600, 47.8407, 8.8051**, and if you desaturate by 10%, it is **63.3760, 36.7896, 6.6862**.

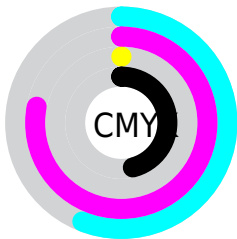
# Distribution



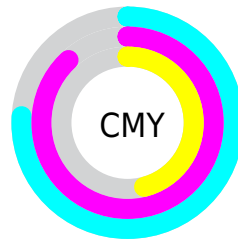
- Red (24%)
- Green (12%)
- Blue (54%)



- Red (24%)
- Yellow (12%)
- Blue (54%)



- Cyan (56%)
- Magenta (78%)
- Yellow (0%)
- Black (46%)



- Cyan (76%)
- Magenta (88%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 52.1680, 42.3152, 7.7457 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 52.1680, 42.3152, 7.7457 by changing the saturation by 10% instead.



■ 52.1680, 42.3152,  
7.7457

■ 52.1680, 42.3152,  
7.7457

■ 255.0000, 0.0000,  
0.0000

■ 25.2600, 42.7628,  
4.1570

■ 103.2440, 43.7567,  
12.0640

■ 9.9180, 38.0014,  
-8.6981

■ 129.5970, 45.0617,  
13.5084

■ 7.1820, 27.5183,  
-6.2986

■ 155.9500, 46.3667,  
14.9529

■ 6.3210, 16.6037,  
-5.5435

■ 181.0400, 36.4623,  
18.3819

■ 2.5250, 7.1362,  
-2.2144

■ 205.5600, 24.3739,  
22.3109

■ 0.0000, 0.0000,  
0.0000

■ 229.1720, 12.7332,

22.6512

246.1950, 4.3409,  
7.7220

52.1680, 42.3152,  
7.7457

52.1680, 42.3152,  
7.7457

40.9600, 47.8407,  
8.8051

63.3760, 36.7896,  
6.6862

29.7520, 53.3663,  
9.8645

74.5840, 31.2641,  
5.6268

27.3930, 54.5293,  
10.1793

85.2050, 26.0279,  
5.0822

96.4130, 20.5024,  
4.0228

107.6210, 14.9768,  
2.9634

■ 118.8290, 9.4513,  
1.9040

■ 130.0370, 3.9258,  
0.8446

■ 140.3590, -1.1630,  
-0.3148

■ 151.5670, -6.6885,  
-1.3743

# Harmonies

## Analogous

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



53.3460, 52.0874, -46.7844



52.1680, 42.3152, 7.7457



47.0090, 23.6596, 64.8901

# Triad

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



52.1680, 42.3152, 7.7457



50.4340, -24.8640, 41.7154



50.4890, 8.1399, -44.2789

# Complementary

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



52.1680, 42.3152, 7.7457



116.8320, -42.3152, -7.7457

# 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.



42.7030, -16.6156, -37.4505



52.1680, 42.3152, 7.7457



50.5020, -24.8975, 5.6987

# Square

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



52.1680, 42.3152, 7.7457



37.9730, -18.7207, 78.0767



39.3290, -19.3892, -34.4915



56.7760, 29.6904, -49.7926



# Rectangle

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



52.1680, 42.3152, 7.7457



47.4330, 7.1815, 76.7963



39.3290, -19.3892, -34.4915



47.8500, 0.5670, -41.9644

# Sweetspot

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



52.1680, 42.3152, 7.7457



145.3760, 16.5766, 3.1782



88.9840, 24.1649, -50.8520



68.9430, 9.8881, 1.8040



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



52.1680, 42.3152, 7.7457



45.0910, 66.0171, 12.1982



67.7160, 34.6500, 39.7141



63.3960, 2.7628, 0.5297



26.2250, 52.6401, 9.4497



0.8690, 2.0366, 0.1149



# Inverse Universe

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



71.7710, 17.8609, 58.0828



75.6130, 27.7988, 90.6704



101.2840, -34.6500, -39.7141



64.6630, 1.1521, 3.8035



50.5970, 21.8907, 72.2674

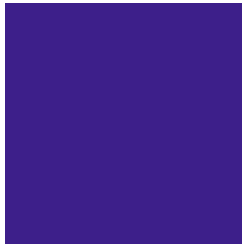


1.9510, 1.0102, 2.6740



# Previews

## White Background



This preview shows how the YUV color 52.1680, 42.3152, 7.7457 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 52.1680, 42.3152, 7.7457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

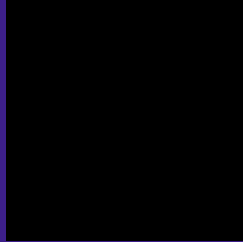
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 52.1680, 42.3152, 7.7457

## Background



This preview shows how black text looks on a background with the YUV color 52.1680, 42.3152, 7.7457.



This preview shows how white text looks on a background with the YUV color 52.1680, 42.3152,



# 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

52.1680, 42.3152, 7.7457

### Protanopia

44.5800, 33.7311, -39.0967

### Deuteranopia

44.5170, 25.8741, -39.0414



## Tritanopia

52.6820, 5.5798, -16.3841

# Trichromacy



## Original Color

52.1680, 42.3152, 7.7457

## Protanomaly

47.4880, 36.7344, -22.3530

## Deuteranomaly

47.5220, 31.7877, -22.3828

## Tritanomaly

52.2930, 19.0826, -7.2730

# Monochromacy



## Original Color

52.1680, 42.3152, 7.7457

## Achromatopsia

52.0000, 0.0000, 0.0000

## Achromatomaly

51.7350, 15.4136, 2.8634

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 52.1680, 42.3152, 7.7457 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(61, 31, 138)` looks like.

```
.text, #text, p{  
    color:rgb(61, 31, 138)  
}
```

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(61, 31, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 31, 138) }
```

## Border

The CSS property to change the border of an element to YUV 52.1680, 42.3152, 7.7457 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(61, 31, 138) }
```



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

```
.border{ border-color:rgb(61, 31, 138) }
```

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

Here you see how a box with a 4 pixel rgb(61, 31, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 31, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 31, 138);  
box-shadow:4px 4px 4px 4px rgb(61, 31,  
138) }
```

# Background

The CSS property to change the background color of an element to YUV 52.1680, 42.3152, 7.7457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 31, 138) }
```

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

```
.background{ background-color: rgb(61, 31,  
138) }
```

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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