

# Converting Colors

YUV(50.2380, 53.1267, 40.1333)

Have a look what the booklet for  
YUV(50.2380, 53.1267, 40.1333)  
contains.

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# Color

**YUV(50.2380, 53.1267,  
40.1333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60069E
RGB	96, 6, 158
RGB Percent	38%, 2%, 62%
CMY	0.6235, 0.9765, 0.3804
CMYK	0.39, 0.96, 0.00, 0.38
HSL	276°, 93%, 32%
HSV	276°, 96%, 62%
XYZ	11.0606, 5.0857, 32.7464
YIQ	50.2380, 4.8480, 66.3520

# Conversions

## Conversions Part 2

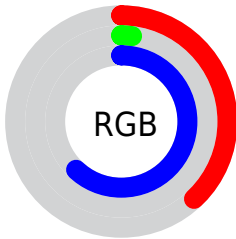
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	96, 6, 158
Decimal	6293150
CIE Lab	26.98, 58.86, -59.90
CIE LCh	27, 83.979, 314.499
Yxy	5.0857, 0.2262, 0.1040
Android (android.graphics.Color)	4284483230 (0xFF60069E)
YUV	50.2380, 53.1267, 40.1333
Hunter-Lab	22.5514, 48.0819, -70.3077

# Details

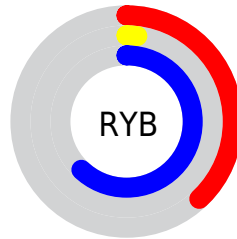
The YUV color **50.2380, 53.1267, 40.1333** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **113.7620, -53.1267, -40.1333**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **111.2330, 50.6641, 36.6297**, and **23.0330, 40.4097, 12.2491** is the 20% darker color. If you saturate the color by 10%, you get **46.1180, 55.1578, 41.9925**, and if you desaturate by 10%, it is **61.4240, 47.6120, 35.5852**.

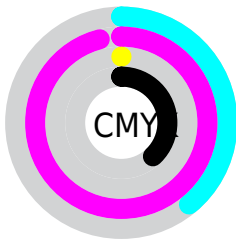
# Distribution



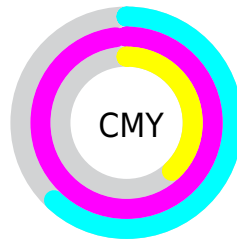
- Red (38%)
- Green (2%)
- Blue (62%)



- Red (38%)
- Yellow (2%)
- Blue (62%)



- Cyan (39%)
- Magenta (96%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (98%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.2380, 53.1267, 40.1333 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 50.2380, 53.1267, 40.1333 by changing the saturation by 10% instead.



50.2380, 53.1267,  
40.1333

50.2380, 53.1267,  
40.1333

255.0000, 0.0000,  
0.0000

34.9670, 47.3443,  
28.0929

111.2330, 50.6641,  
36.6297

23.0330, 40.4097,  
12.2491

139.0590, 51.2429,  
37.6593

9.1200, 34.9438,  
-7.9982

164.9470, 44.3961,  
40.3885

8.1450, 23.5925,  
-7.1432

189.7660, 32.1604,  
44.9322

5.0500, 14.2723,  
-4.4289

210.3880, 21.9937,  
39.1247

0.7980, 3.0576,  
-0.6998


227.4110, 13.6014,


0.0000, 0.0000,


24.1956


0.0000


 244.4340, 5.2090,  
9.2664


 50.2380, 53.1267,  
40.1333


 50.2380, 53.1267,  
40.1333


 46.1180, 55.1578,  
41.9925

 61.4240, 47.6120,  
35.5852

 72.9090, 41.9499,  
31.6518

 83.5080, 36.7246,  
27.6185

 94.9930, 31.0625,  
23.6851

 106.1790, 25.5478,  
19.1370

■ 117.6640, 19.8856,  
15.2037

■ 128.8500, 14.3710,  
10.6556

■ 139.7480, 8.9982,  
7.2370

■ 150.9340, 3.4835,  
2.6889

# Harmonies

## Analogous

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



59.5700, 65.7810, -52.2429



50.2380, 53.1267, 40.1333



57.4460, 20.9791, 84.6779

# Triad

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



50.2380, 53.1267, 40.1333



59.5710, -29.3685, 39.8412



61.3120, 16.6082, -53.7706

# Complementary

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



50.2380, 53.1267, 40.1333



113.7620, -53.1267, -40.1333

# 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.



52.1580, -13.3889, -45.7426



50.2380, 53.1267, 40.1333



56.3280, -27.7697, -6.4267

# Square

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



50.2380, 53.1267, 40.1333



43.3550, -21.3740, 89.1427



46.9600, -23.1513, -41.1839



68.1520, 42.8161, -59.7693



# Rectangle

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



50.2380, 53.1267, 40.1333



56.2460, 0.8647, 96.2543



46.9600, -23.1513, -41.1839



58.1030, 6.8512, -50.9563

# Sweetspot

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



50.2380, 53.1267, 40.1333



164.3050, 21.0486, 15.5185



60.3090, 48.1617, -47.6290



78.7960, 12.9186, 9.8259



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



50.2380, 53.1267, 40.1333



60.0760, 72.4335, 54.3073



67.2940, 38.3091, 79.5492



73.4070, 2.7573, 2.2741



41.7170, 49.9325, 37.9592



4.4010, 5.2253, 4.0333



# Inverse Universe

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



58.5160, 4.6756, 87.2475



71.4690, 6.1778, 118.8607



96.7060, -38.3091, -79.5492



73.7340, 0.1311, 4.6183



49.3690, 4.2551, 82.1144



5.1690, 0.4097, 8.6218



# Previews

## White Background



This preview shows how the YUV color 50.2380, 53.1267, 40.1333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

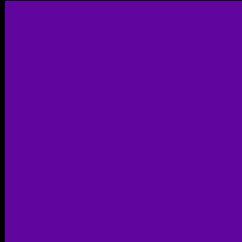
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 50.2380, 53.1267, 40.1333 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 50.2380, 53.1267, 40.1333

## Background



This preview shows how black text looks on a background with the YUV color 50.2380, 53.1267, 40.1333.



This preview shows how white text looks on a background with the YUV color 50.2380, 53.1267,



# 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

50.2380, 53.1267, 40.1333

### Protanopia

52.8440, 40.0099, -46.3442

### Deuteranopia

53.1400, 30.9900, -46.6038



## Tritanopia

67.0550, -0.0271, 8.7218

# Trichromacy



## Original Color

50.2380, 53.1267, 40.1333

## Protanomaly

52.0080, 44.8591, -14.9160

## Deuteranomaly

51.8140, 39.0387, -14.7459

## Tritanomaly

61.1700, 19.1432, 20.0219

# Monochromacy



## Original Color

50.2380, 53.1267, 40.1333

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

50.1370, 19.1595, 14.7889

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.2380, 53.1267, 40.1333 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(96, 6, 158)` looks like.

```
.text, #text, p{  
    color:rgb(96, 6, 158)  
}
```

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(96, 6, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 6, 158) }
```

## Border

The CSS property to change the border of an element to YUV 50.2380, 53.1267, 40.1333 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(96, 6, 158) }
```



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

```
.border{ border-color:rgb(96, 6, 158) }
```

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

Here you see how a box with a 4 pixel rgb(96, 6, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 6, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 6, 158);  
box-shadow:4px 4px 4px 4px rgb(96, 6, 158)  
}
```

# Background

The CSS property to change the background color of an element to YUV 50.2380, 53.1267, 40.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 6, 158) }
```

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

```
.background{ background-color: rgb(96, 6,  
158) }
```

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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