

# Converting Colors

YUV(45.8050, 6.0121, 31.7430)

Have a look what the booklet for  
YUV(45.8050, 6.0121, 31.7430)  
contains.

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# Color

**YUV(45.8050, 6.0121,  
31.7430)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	52193A
RGB	82, 25, 58
RGB Percent	32%, 10%, 23%
CMY	0.6784, 0.9020, 0.7725
CMYK	0.00, 0.70, 0.29, 0.68
HSL	325°, 53%, 21%
HSV	325°, 70%, 32%
XYZ	4.5910, 2.7946, 4.3004
YIQ	45.8050, 23.3790, 22.3470

# Conversions

## Conversions Part 2

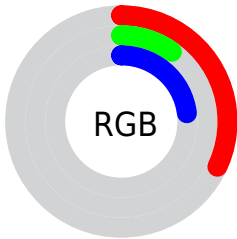
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 25, 58
Decimal	5380410
CIELab	19.20, 30.36, -7.42
CIElCh	19, 31.255, 346.271
Yxy	2.7946, 0.3929, 0.2391
Android (android.graphics.Color)	4283570490 (0xFF52193A)
YUV	45.8050, 6.0121, 31.7430
Hunter-Lab	16.7170, 19.7670, -3.5503

# Details

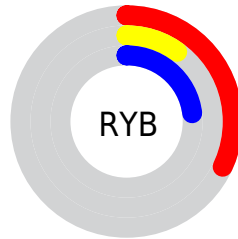
The YUV color **45.8050, 6.0121, 31.7430** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **61.1950, -6.0121, -31.7430**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.8870, 4.9857, 34.3021**, and **13.0720, 0.9505, 21.8619** is the 20% darker color. If you saturate the color by 10%, you get **40.7670, 7.0169, 36.1613**, and if you desaturate by 10%, it is **50.8430, 5.0074, 27.3247**.

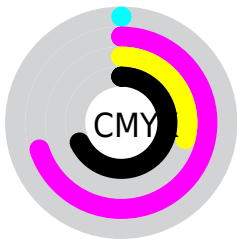
# Distribution



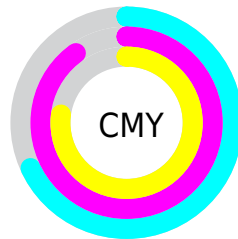
- Red (32%)
- Green (10%)
- Blue (23%)



- Red (32%)
- Yellow (10%)
- Blue (23%)



- Cyan (0%)
- Magenta (70%)
- Yellow (29%)
- Black (68%)



- Cyan (68%)
- Magenta (90%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.8050, 6.0121, 31.7430 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 45.8050, 6.0121, 31.7430 by changing the saturation by 10% instead.



45.8050, 6.0121,  
31.7430

45.8050, 6.0121,  
31.7430

255.0000, 0.0000,  
0.0000

21.7340, 7.0331,  
30.9283

94.8870, 4.9857,  
34.3021

13.0720, 0.9505,  
21.8619

119.8980, 4.9803,  
36.0465

0.0000, 0.0000,  
0.0000

146.1970, 4.8329,  
36.6612

173.2080, 4.8275,  
38.4056

200.6210, 5.1168,  
38.9204

223.2390, 7.7702,

27.8544

■ 241.4990, 6.6560,  
11.8404

■ 45.8050, 6.0121,  
31.7430

■ 45.8050, 6.0121,  
31.7430

■ 40.7670, 7.0169,  
36.1613

■ 50.8430, 5.0074,  
27.3247

■ 35.6150, 7.5848,  
40.6796

■ 55.9950, 4.4395,  
22.8064

■ 29.9900, 8.8789,  
45.6128

■ 61.6200, 3.1453,  
17.8733

■ 29.8760, 8.4421,  
45.7127

■ 66.7720, 2.5774,  
13.3550

■ 71.8100, 1.5727,  
8.9366

■ 76.9620, 1.0047,  
4.4183

■ 82.0000, 0.0000,  
0.0000

■ 87.7390, -0.8573,  
-5.0331

■ 92.7770, -1.8621,  
-9.4514

# Harmonies

## Analogous

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



48.2740, 14.6549, 12.9147



45.8050, 6.0121, 31.7430



44.0910, -4.4819, 37.6312

# Triad

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



45.8050, 6.0121, 31.7430



42.8160, -21.1083, 3.6694



41.8780, 18.3011, -36.7270

# Complementary

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



45.8050, 6.0121, 31.7430



61.1950, -6.0121, -31.7430

# 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.



40.1850, 9.2758, -35.2422



45.8050, 6.0121, 31.7430



38.4480, -13.0389, -17.9329

# Square

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



45.8050, 6.0121, 31.7430



44.6870, -22.0307, 19.5685



36.8620, -0.9180, -32.3280



40.8980, 24.7003, -35.8675



# Rectangle

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



45.8050, 6.0121, 31.7430



44.5330, -11.6018, 34.6126



36.8620, -0.9180, -32.3280



41.7810, 15.3910, -36.6419

# Sweetspot

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



45.8050, 6.0121, 31.7430



93.0600, 2.4354, 12.2254



38.6740, 21.3597, 9.0559



45.0980, 1.4307, 7.8071



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



45.8050, 6.0121, 31.7430



50.5390, 9.5943, 49.5163



42.6130, -6.2182, 34.5424



38.4240, 0.2840, 2.2592



38.3490, 11.1669, 58.4529



84.6440, 24.3325, 129.2312



# Inverse Universe

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



45.8050, 6.0121, 31.7430



50.5390, 9.5943, 49.5163



64.3870, 6.2182, -34.5424



38.4240, 0.2840, 2.2592



38.3490, 11.1669, 58.4529

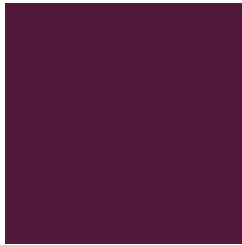


84.6440, 24.3325, 129.2312



# Previews

## White Background



This preview shows how the YUV color 45.8050, 6.0121, 31.7430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

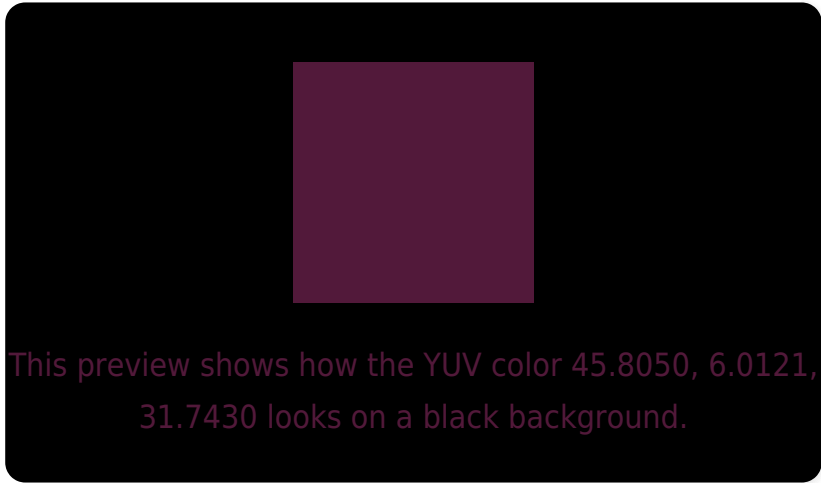
Any Text WCAG AA ✓ Pass

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

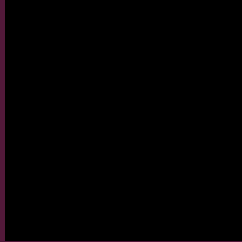
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.8050, 6.0121, 31.7430

## Background



This preview shows how black text looks on a background with the YUV color 45.8050, 6.0121, 31.7430.



This preview shows how white text looks on a background with the YUV color 45.8050, 6.0121, 31.7430.



# 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

45.8050, 6.0121, 31.7430

### Protanopia

47.3870, 13.1202, -8.2324

### Deuteranopia

48.5100, 3.1996, 0.4297



## Tritanopia

46.5800, -6.2019, 29.3093

# Trichromacy



## Original Color

45.8050, 6.0121, 31.7430

## Protanomaly

46.7910, 10.4560, 6.3223

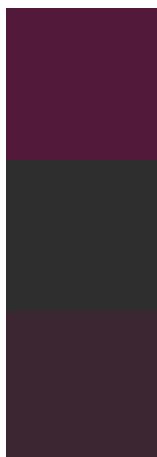
## Deuteranomaly

47.5160, 4.1826, 11.8255

## Tritanomaly

46.1440, -1.5500, 30.5687

# Monochromacy



## Original Color

45.8050, 6.0121, 31.7430

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

45.6470, 2.1460, 11.7106

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.8050, 6.0121, 31.7430 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(82, 25, 58)` looks like.

```
.text, #text, p{  
    color:rgb(82, 25, 58)  
}
```

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(82, 25, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 25, 58) }
```

## Border

The CSS property to change the border of an element to YUV 45.8050, 6.0121, 31.7430 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(82, 25, 58) }
```



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

```
.border{ border-color:rgb(82, 25, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 25, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 25, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 25, 58);  
box-shadow:4px 4px 4px 4px rgb(82, 25, 58)  
}
```

# Background

The CSS property to change the background color of an element to YUV 45.8050, 6.0121, 31.7430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 25, 58) }
```

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

```
.background{ background-color: rgb(82, 25,  
58) }
```

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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