

# Converting Colors

YUV(45.8580, 22.2550, 1.8785)

Have a look what the booklet for  
YUV(45.8580, 22.2550, 1.8785)  
contains.

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# Color

**YUV(45.8580, 22.2550,  
1.8785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30245B
RGB	48, 36, 91
RGB Percent	19%, 14%, 36%
CMY	0.8118, 0.8588, 0.6431
CMYK	0.47, 0.60, 0.00, 0.64
HSL	253°, 43%, 25%
HSV	253°, 60%, 36%
XYZ	3.7381, 2.6455, 10.2111
YIQ	45.8580, -10.5030, 19.6490

# Conversions

## Conversions Part 2

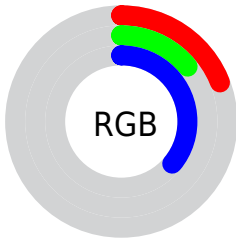
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 36, 91
Decimal	3155035
CIE <sub>Lab</sub>	18.56, 21.05, -31.27
CIE <sub>LCh</sub>	19, 37.699, 303.949
Yxy	2.6455, 0.2253, 0.1594
Android (android.graphics.Color)	4281345115 (0xFF30245B)
YUV	45.8580, 22.2550, 1.8785
Hunter-Lab	16.2649, 12.5608, -25.8370

# Details

The YUV color **45.8580, 22.2550, 1.8785** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **81.1420, -22.2550, -1.8785**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.0370, 24.1388, 4.3526**, and **5.1300, 19.6559, -4.4990** is the 20% darker color. If you saturate the color by 10%, you get **38.4820, 25.8914, 2.2083**, and if you desaturate by 10%, it is **53.2340, 18.6186, 1.5488**.

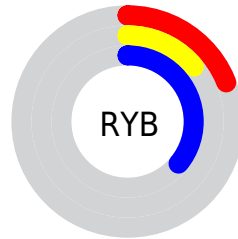
# Distribution



Red (19%)

Green (14%)

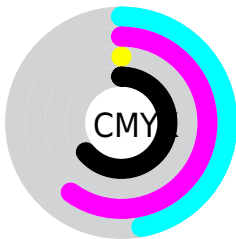
Blue (36%)



Red (19%)

Yellow (14%)

Blue (36%)

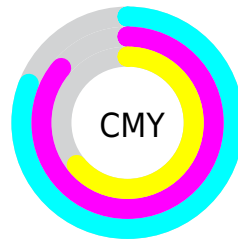


Cyan (47%)

Magenta (60%)

Yellow (0%)

Black (64%)



Cyan (81%)

Magenta (86%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.8580, 22.2550, 1.8785 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 45.8580, 22.2550, 1.8785 by changing the saturation by 10% instead.



■ 45.8580, 22.2550,  
1.8785

■ 45.8580, 22.2550,  
1.8785

■ 255.0000, 0.0000,  
0.0000

■ 23.9070, 21.2448,  
-0.7954

■ 93.0370, 24.1388,  
4.3526

■ 5.1300, 19.6559,  
-4.4990

■ 117.5640, 24.8649,  
4.7674

■ 3.2090, 9.7570,  
-2.8143

■ 144.0910, 25.5911,  
5.1822

■ 0.0000, 0.0000,  
0.0000

■ 170.6180, 26.3173,  
5.5970

■ 198.1450, 27.0435,  
6.0118

■ 222.5940, 15.9762,

9.1261

■ 246.1950, 4.3409,  
7.7220

■ 45.8580, 22.2550,  
1.8785

■ 45.8580, 22.2550,  
1.8785

■ 38.4820, 25.8914,  
2.2083

■ 53.2340, 18.6186,  
1.5488

■ 31.1060, 29.5277,  
2.5380

■ 60.6100, 14.9823,  
1.2190

■ 23.7300, 33.1641,  
2.8678

■ 67.9860, 11.3459,  
0.8893

■ 16.3540, 36.8005,  
3.1975

■ 75.3620, 7.7095,  
0.5595

■ 83.6240, 3.6364,  
0.3298

■ 91.0000, 0.0000,  
0.0000

■ 98.3760, -3.6364,  
-0.3298

■ 105.7520, -7.2727,  
-0.6595

■ 113.1280,  
-10.9091, -0.9893

# Harmonies

## Analogous

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



39.5760, 29.7890, -34.7082



45.8580, 22.2550, 1.8785



43.6400, 12.9955, 31.8877

# Triad

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



45.8580, 22.2550, 1.8785



42.3830, -20.8948, 28.6051



38.9310, 4.4710, -34.1425

# Complementary

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



45.8580, 22.2550, 1.8785



81.1420, -22.2550, -1.8785

# 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.



34.4510, -7.6173, -30.2135



45.8580, 22.2550, 1.8785



42.5610, -20.9826, 10.0320

# Square

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



45.8580, 22.2550, 1.8785



40.1750, -11.9183, 42.8195



38.5970, -19.0283, -10.1706



42.0090, 16.2646, -36.8419



# Rectangle

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



45.8580, 22.2550, 1.8785



39.2950, 6.2636, 44.4683



38.5970, -19.0283, -10.1706



37.9050, 0.5398, -33.2427

# Sweetspot

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



45.8580, 22.2550, 1.8785



99.8890, 8.4357, 0.9743



67.5110, 11.5801, -27.6351



48.3790, 5.2362, 0.5446



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



45.8580, 22.2550, 1.8785



47.0720, 34.4745, 2.5679



53.9310, 18.2750, 18.4775



41.8690, 2.0366, 0.1149



19.7160, 44.5100, 3.7571



42.5660, 95.8560, 8.2736



# Inverse Universe

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



57.3470, 10.6749, 29.5137



65.0530, 16.7359, 45.5575



73.0690, -18.2750, -18.4775



42.9510, 1.0102, 2.6740



42.6940, 21.3499, 59.0274



91.9530, 45.8722, 127.2062



# Previews

## White Background



This preview shows how the YUV color 45.8580, 22.2550, 1.8785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

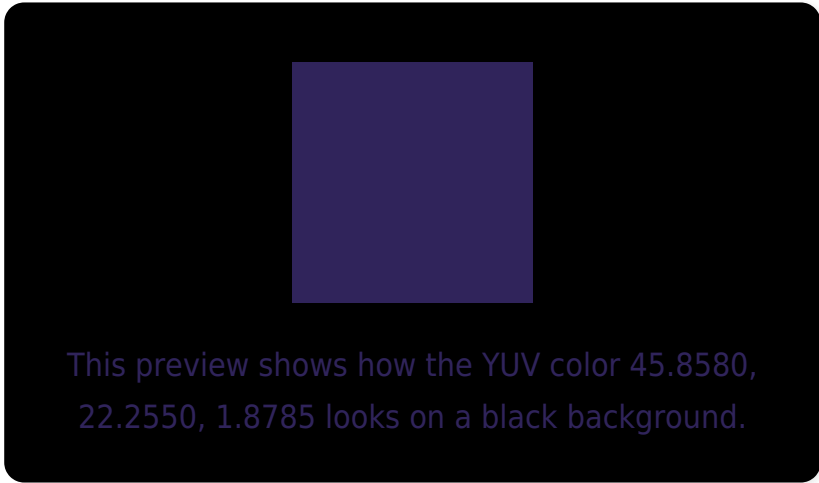
Any Text WCAG AA ✓ Pass

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

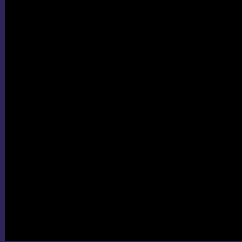
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.8580, 22.2550, 1.8785

## Background



This preview shows how black text looks on a background with the YUV color 45.8580, 22.2550, 1.8785.



This preview shows how white text looks on a background with the YUV color 45.8580, 22.2550,



# 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

45.8580, 22.2550, 1.8785

### Protanopia

36.4300, 27.8890, -31.9491

### Deuteranopia

36.8230, 21.7793, -32.2938



**Tritanopia**

44.4660, 3.2213, -6.5477

# Trichromacy



## Original Color

45.8580, 22.2550, 1.8785

## Protanomaly

39.6380, 25.8145, -19.8535

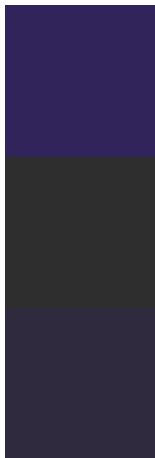
## Deuteranomaly

40.0140, 22.1781, -20.1833

## Tritanomaly

45.0240, 10.3412, -3.5290

# Monochromacy



## Original Color

45.8580, 22.2550, 1.8785

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

45.7750, 7.9989, 1.0743

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.8580, 22.2550, 1.8785 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(48, 36, 91)` looks like.

```
.text, #text, p{  
    color:rgb(48, 36, 91)  
}
```

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(48, 36, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 36, 91) }
```

## Border

The CSS property to change the border of an element to YUV 45.8580, 22.2550, 1.8785 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(48, 36, 91) }
```



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

```
.border{ border-color:rgb(48, 36, 91) }
```

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

Here you see how a box with a 4 pixel rgb(48, 36, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 36, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 36, 91);  
box-shadow:4px 4px 4px 4px rgb(48, 36, 91)  
}
```

# Background

The CSS property to change the background color of an element to YUV 45.8580, 22.2550, 1.8785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 36, 91) }
```

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

```
.background{ background-color: rgb(48, 36,  
91) }
```

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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