

# Converting Colors

YUV(48.3230, 13.6448, 10.2407)

Have a look what the booklet for  
YUV(48.3230, 13.6448, 10.2407)  
contains.

<b>YUV(48.3230, 13.6448, 10.2407)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(48.3230, 13.6448,  
10.2407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C254C
RGB	60, 37, 76
RGB Percent	24%, 15%, 30%
CMY	0.7647, 0.8549, 0.7020
CMYK	0.21, 0.51, 0.00, 0.70
HSL	275°, 35%, 22%
HSV	275°, 51%, 30%
XYZ	3.8296, 2.8056, 7.1772
YIQ	48.3230, 1.1890, 17.0050

# Conversions

## Conversions Part 2

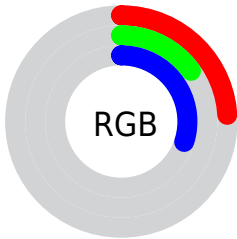
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 37, 76
Decimal	3941708
CIELab	19.25, 19.48, -20.02
CIElCh	19, 27.933, 314.220
Yxy	2.8056, 0.2773, 0.2031
Android (android.graphics.Color)	4282131788 (0xFF3C254C)
YUV	48.3230, 13.6448, 10.2407
Hunter-Lab	16.7499, 11.4983, -13.6802

# Details

The YUV color **48.3230, 13.6448, 10.2407** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **64.6770, -13.6448, -10.2407**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.6760, 14.9497, 11.6851**, and **9.0300, 11.3242, 7.8667** is the 20% darker color. If you saturate the color by 10%, you get **42.7300, 16.4021, 12.5148**, and if you desaturate by 10%, it is **53.9160, 10.8874, 7.9667**.

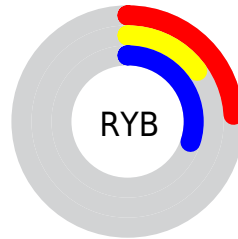
# Distribution



 Red (24%)

 Green (15%)

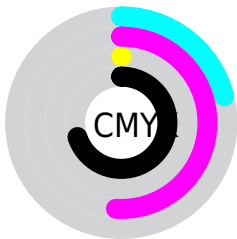
 Blue (30%)



 Red (24%)

 Yellow (15%)

 Blue (30%)

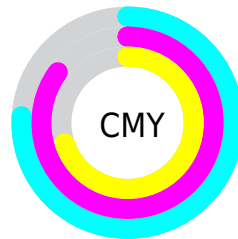


 Cyan (21%)

 Magenta (51%)

 Yellow (0%)

 Black (70%)



 Cyan (76%)

 Magenta (85%)

 Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.3230, 13.6448, 10.2407 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 48.3230, 13.6448, 10.2407 by changing the saturation by 10% instead.



■ 48.3230, 13.6448,  
10.2407

■ 48.3230, 13.6448,  
10.2407

■ 255.0000, 0.0000,  
0.0000

■ 26.4970, 13.0660,  
9.2111

■ 94.6760, 14.9497,  
11.6851

■ 9.0300, 11.3242,  
7.8667

■ 120.0890, 15.2391,  
12.1999

■ 0.4560, 1.7472,  
-0.3999

■ 145.9150, 15.8179,  
13.2295

■ 0.0000, 0.0000,  
0.0000

■ 172.3280, 16.1073,  
13.7443

■ 199.8550, 16.8335,  
14.1592

■ 227.0570, 13.7759,

14.8590

247.3690, 3.7621,  
6.6924

48.3230, 13.6448,  
10.2407

48.3230, 13.6448,  
10.2407

42.7300, 16.4021,  
12.5148

53.9160, 10.8874,  
7.9667

37.7240, 18.8701,  
14.2741

58.9220, 8.4195,  
6.2074

32.1310, 21.6274,  
16.5481

64.5150, 5.6621,  
3.9333

27.1250, 24.0954,  
18.3074

69.5210, 3.1941,  
2.1741

22.1190, 26.5633,  
20.0666

75.4130, 0.2894,  
0.5148

■ 81.0060, -2.4680,  
-1.7593

■ 86.0120, -4.9359,  
-3.5185

■ 91.6050, -7.6933,  
-5.7926

■ 96.6110, -10.1612,  
-7.5518

# Harmonies

## Analogous

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



44.2810, 20.5675, -16.9094



48.3230, 13.6448, 10.2407



46.9570, 5.4442, 27.2247

# Triad

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



48.3230, 13.6448, 10.2407



44.6160, -21.0097, 18.7538



39.2560, 8.2548, -34.4275

# Complementary

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



48.3230, 13.6448, 10.2407



64.6770, -13.6448, -10.2407

# 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.



36.8620, -0.9180, -32.3280



48.3230, 13.6448, 10.2407



43.1150, -21.2557, 4.2841

# Square

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



48.3230, 13.6448, 10.2407



45.1580, -12.8959, 29.6794



40.4100, -12.0341, -13.5146



40.8350, 16.8433, -35.8123



# Rectangle

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



48.3230, 13.6448, 10.2407



45.7960, -0.3924, 32.6279



40.4100, -12.0341, -13.5146



38.4580, 5.1972, -33.7277

# Sweetspot

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



48.3230, 13.6448, 10.2407



88.9880, 4.9359, 3.5185



50.8380, 12.4049, -12.1359



44.5210, 3.1941, 2.1741



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000



# Same Dimension

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



48.3230, 13.6448, 10.2407



55.7180, 21.3380, 16.0333



52.7650, 9.9759, 20.3771



35.3530, 1.3050, 1.4444



29.5680, 35.7090, 26.6889



66.5850, 80.5636, 60.0000



# Inverse Universe

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



50.4850, 1.2399, 22.3767



59.0890, 1.9281, 35.0019



60.2350, -9.9759, -20.3771



35.4240, 0.2840, 2.2592



35.2860, 3.3100, 58.5082



79.4860, 7.1554, 132.0008



# Previews

## White Background



This preview shows how the YUV color 48.3230, 13.6448, 10.2407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

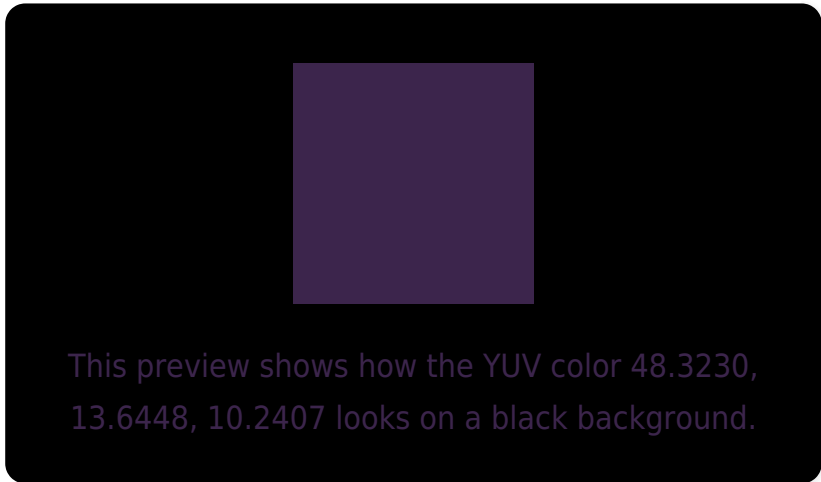
Any Text WCAG AA ✓ Pass

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 48.3230, 13.6448, 10.2407

## Background



This preview shows how black text looks on a background with the YUV color 48.3230, 13.6448, 10.2407.



This preview shows how white text looks on a background with the YUV color 48.3230, 13.6448,



# 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

48.3230, 13.6448, 10.2407

### Protanopia

45.2490, 19.1042, -14.2504

### Deuteranopia

45.8920, 13.8572, -11.3063



## Tritanopia

47.6310, -0.3111, 6.4626

# Trichromacy



## Original Color

48.3230, 13.6448, 10.2407

## Protanomaly

46.4350, 17.0405, -5.6435

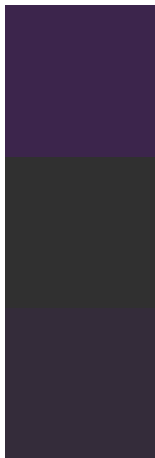
## Deuteranomaly

46.6480, 13.9775, -3.1993

## Tritanomaly

47.7220, 5.0671, 8.1368

# Monochromacy



## Original Color

48.3230, 13.6448, 10.2407

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

47.9880, 4.9359, 3.5185

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.3230, 13.6448, 10.2407 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(60, 37, 76)` looks like.

```
.text, #text, p{  
    color:rgb(60, 37, 76)  
}
```

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(60, 37, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 37, 76) }
```

## Border

The CSS property to change the border of an element to YUV 48.3230, 13.6448, 10.2407 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(60, 37, 76) }
```



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

```
.border{ border-color:rgb(60, 37, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 37, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 37, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 37, 76);  
box-shadow:4px 4px 4px 4px rgb(60, 37, 76)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.3230, 13.6448, 10.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 37, 76) }
```

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

```
.background{ background-color: rgb(60, 37,  
76) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor