

# Converting Colors

YUV(50.4310, -23.8765, 4.8840)

Have a look what the booklet for  
YUV(50.4310, -23.8765, 4.8840)  
contains.

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# Color

**YUV(50.4310, -23.8765,  
4.8840)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 383902                     |
| RGB         | 56, 57, 2                  |
| RGB Percent | 22%, 22%, 1%               |
| CMY         | 0.7804, 0.7765, 0.9922     |
| CMYK        | 0.02, 0.00, 0.96, 0.78     |
| HSL         | 61°, 93%, 12%              |
| HSV         | 61°, 96%, 22%              |
| XYZ         | 3.1050, 3.7714, 0.6217     |
| YIQ         | 50.4310, 17.0590, -17.3170 |

# Conversions

## Conversions Part 2

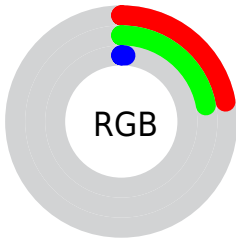
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 2, 57, 3                     |
| Decimal                             | 3684610                      |
| CIE Lab                             | 22.90, -7.84, 30.59          |
| CIE LCh                             | 23, 31.580, 104.373          |
| Yxy                                 | 3.7714, 0.4141,<br>0.5030    |
| Android<br>(android.graphics.Color) | 4281874690<br>(0xFF383902)   |
| YUV                                 | 50.4310, -23.8765,<br>4.8840 |
| Hunter-Lab                          | 19.4201, -5.4457,<br>11.6959 |

# Details

The YUV color **50.4310, -23.8765, 4.8840** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8.5690, 23.8765, -4.8840**, and the grayscale version is **51.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.0290, -24.1713, 6.1136**, and **8.8050, -4.3409, -7.7220** is the 20% darker color. If you saturate the color by 10%, you get **50.2030, -24.7501, 5.0840**, and if you desaturate by 10%, it is **51.1150, -21.2557, 4.2841**.

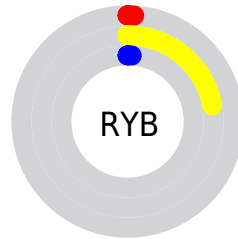
# Distribution



Red (22%)

Green (22%)

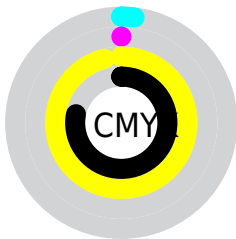
Blue (1%)



Red (1%)

Yellow (22%)

Blue (1%)

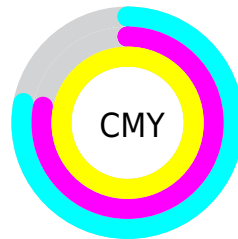


Cyan (2%)

Magenta (0%)

Yellow (96%)

Black (78%)



Cyan (78%)

Magenta (78%)


Yellow (99%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 50.4310, -23.8765, 4.8840 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 50.4310, -23.8765, 4.8840 by changing the saturation by 10% instead.





 50.4310, -23.8765,  
4.8840


 50.4310, -23.8765,  
4.8840

 252.2640,  
-10.4832, 2.3995

 30.9990, -15.2825,  
1.7549


 98.0290, -24.1713,  
6.1136

 8.8050, -4.3409,  
-7.7220

 123.2140,  
-24.7555, 6.8283

 0.0000, 0.0000,  
0.0000


 149.2850,  
-25.7765, 7.6431


 176.0570,  
-26.6501, 7.8430


 203.3560,  
-26.7975, 8.4578


 231.4270,


-27.8185, 9.2725


 249.0720,  
-22.7135, 5.1989


 50.4310, -23.8765,  
4.8840


 50.4310, -23.8765,  
4.8840


 50.2030, -24.7501,  
5.0840

 51.1150, -21.2557,  
4.2841

 51.6850, -19.0717,  
3.7843

 52.3690, -16.4509,  
3.1844

 53.0530, -13.8301,  
2.5845

 54.0360, -11.3567,  
2.5994

■ 54.6060, -9.1728,  
2.0995

■ 55.2900, -6.5520,  
1.4997

■ 55.9740, -3.9312,  
0.8998

■ 56.5440, -1.7472,  
0.3999

# Harmonies

## Analogous

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



52.2420, -23.7833, 21.7128



50.4310, -23.8765, 4.8840



47.2310, -13.9179, -15.9886

# Triad

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



50.4310, -23.8765, 4.8840



48.0730, 19.1910, -42.1600



54.9190, 6.4489, 31.6430

# Complementary

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



50.4310, -23.8765, 4.8840



8.5690, 23.8765, -4.8840

# 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.



56.3170, 16.1127, 12.0000



50.4310, -23.8765, 4.8840



47.2070, 26.0269, -41.4005

# Square

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



50.4310, -23.8765, 4.8840



46.2660, 9.7289, -40.5753



51.1820, 24.0673, -19.4536



52.8030, -4.3399, 38.7608



# Rectangle

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



50.4310, -23.8765, 4.8840



41.3300, -4.1067, -36.2464



51.1820, 24.0673, -19.4536



55.9830, 9.3754, 26.3249

# Sweetspot

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



50.4310, -23.8765, 4.8840



71.6060, -9.1728, 2.0995



19.0320, -8.3968, 33.2979



36.5180, -5.6784, 1.2997



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



50.4310, -23.8765, 4.8840



65.2650, -32.1756, 6.7836



42.3580, -19.8965, -11.7150



27.6580, -1.3104, 0.2999



80.9140, -39.8906, 7.9684



192.8380, -95.0691, 19.4361



# Inverse Universe

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



8.5690, 23.8765, -4.8840



8.7350, 32.1756, -6.7836



16.6420, 19.8965, 11.7150



25.3420, 1.3104, -0.2999



11.0860, 39.8906, -7.9684



26.1620, 95.0691, -19.4361



# Previews

## White Background



This preview shows how the YUV color 50.4310, -23.8765, 4.8840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

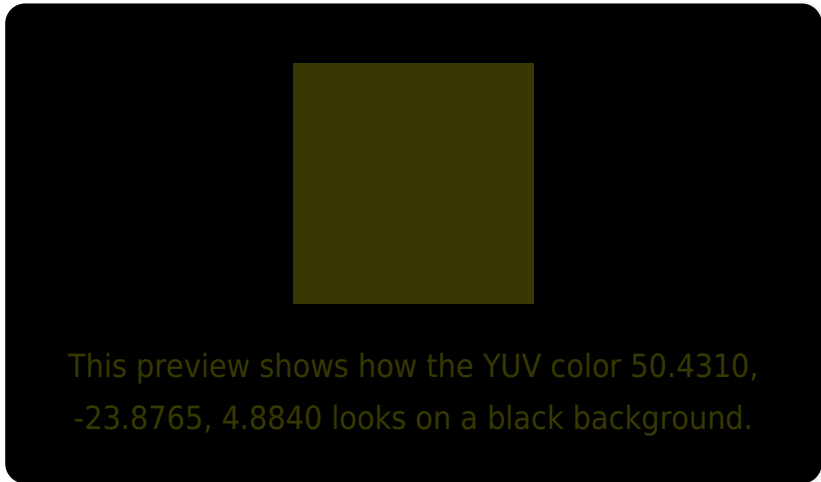
Any Text WCAG AA ✓ Pass

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

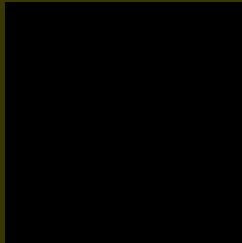
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 50.4310, -23.8765, 4.8840**

## **Background**



This preview shows how black text looks on a background with the YUV color 50.4310, -23.8765, 4.8840.



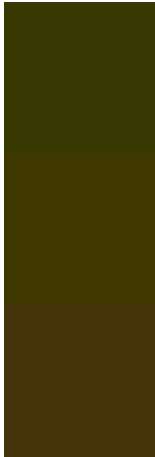
This preview shows how white text looks on a background with the YUV color 50.4310, -23.8765,



# 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

50.4310, -23.8765, 4.8840

### Protanopia

50.8230, -25.0557, 9.8022

### Deuteranopia

52.1810, -21.2882, 14.7503



## Tritanopia

55.5490, 0.7153, 3.9035

# Trichromacy



## Original Color

50.4310, -23.8765, 4.8840

## Protanomaly

50.9260, -24.6135, 7.9579

## Deuteranomaly

51.5180, -22.4404, 10.9467

## Tritanomaly

53.5570, -8.1626, 4.7735

# Monochromacy



## Original Color

50.4310, -23.8765, 4.8840

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

50.4210, -8.5886, 1.3848

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.4310, -23.8765, 4.8840 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(56, 57, 2)` looks like.

```
.text, #text, p{  
    color:rgb(56, 57, 2)  
}
```

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(56, 57, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 57, 2) }
```

## Border

The CSS property to change the border of an element to YUV 50.4310, -23.8765, 4.8840 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(56, 57, 2) }
```



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

```
.border{ border-color:rgb(56, 57, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 57, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 57, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(56, 57, 2); box-shadow:4px  
4px 4px 4px rgb(56, 57, 2) }
```

# Background

The CSS property to change the background color of an element to YUV 50.4310, -23.8765, 4.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 57, 2) }
```

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

```
.background{ background-color: rgb(56, 57,  
2) }
```

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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