

# Converting Colors

YUV(52.8250, 2.0583, -6.8625)

Have a look what the booklet for  
YUV(52.8250, 2.0583, -6.8625)  
contains.

<b>YUV(52.8250, 2.0583, -6.8625)</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(52.8250, 2.0583,  
-6.8625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D3839
RGB	45, 56, 57
RGB Percent	18%, 22%, 22%
CMY	0.8235, 0.7804, 0.7765
CMYK	0.21, 0.02, 0.00, 0.78
HSL	185°, 12%, 20%
HSV	185°, 21%, 22%
XYZ	3.2349, 3.6816, 4.4110
YIQ	52.8250, -6.8770, -2.0210

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 51, 57
Decimal	2963513
CIE Lab	22.59, -4.30, -2.16
CIE LCh	23, 4.810, 206.624
Yxy	3.6816, 0.2856, 0.3250
Android (android.graphics.Color)	4281153593 (0xFF2D3839)
YUV	52.8250, 2.0583, -6.8625
Hunter-Lab	19.1876, -3.4846, -0.1988




# Details

The YUV color **52.8250, 2.0583, -6.8625** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **49.1750, -2.0583, 6.8625**, and the grayscale version is **53.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **99.5260, 2.2057, -7.4773**, and **9.2270, 2.3531, -8.0921** is the 20% darker color. If you saturate the color by 10%, you get **51.0310, 2.9427, -10.5512**, and if you desaturate by 10%, it is **54.6190, 1.1738, -3.1739**.

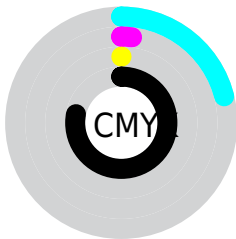
# Distribution







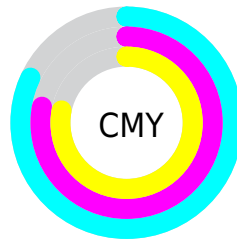
-  Red (18%)
-  Green (22%)
-  Blue (22%)






-  Red (18%)
-  Yellow (20%)
-  Blue (22%)



-  Cyan (21%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (78%)



-  Cyan (82%)
-  Magenta (78%)
-  Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 52.8250, 2.0583, -6.8625 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 52.8250, 2.0583, -6.8625 by changing the saturation by 10% instead.



■ 52.8250, 2.0583,  
-6.8625

■ 52.8250, 2.0583,  
-6.8625

255.0000, 0.0000,  
0.0000

■ 31.8250, 2.0583,  
-6.8625

■ 99.5260, 2.2057,  
-7.4773

■ 9.2270, 2.3531,  
-8.0921

■ 124.5260, 2.2057,  
-7.4773

■ 0.0000, 0.0000,  
0.0000

■ 150.2270, 2.3531,  
-8.0921

■ 177.2270, 2.3531,  
-8.0921

■ 204.2270, 2.3531,  
-8.0921

■ 232.3410, 2.7899,

-8.1921

253.8040, 0.5896,  
-2.4591

■ 52.8250, 2.0583,  
-6.8625

■ 52.8250, 2.0583,  
-6.8625

■ 51.0310, 2.9427,  
-10.5512

■ 54.6190, 1.1738,  
-3.1739

■ 48.9490, 3.9691,  
-13.1103

■ 56.7010, 0.1474,  
-0.6148

■ 47.1550, 4.8536,  
-16.7989

■ 58.4950, -0.7370,  
3.0739

■ 44.7740, 6.0274,  
-19.9728

■ 60.8760, -1.9109,  
6.2477

■ 43.2790, 6.7645,  
-23.0467

■ 62.6700, -2.7953,  
9.9364

■ 40.8980, 7.9383,  
-26.2205

■ 64.7520, -3.8217,  
12.4955

■ 39.1040, 8.8227,  
-29.9092

■ 66.5460, -4.7062,  
16.1842

■ 37.0220, 9.8492,  
-32.4683

■ 68.9270, -5.8800,  
19.3580

■ 70.4220, -6.6170,  
22.4319

# Harmonies

## Analogous

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



52.6680, 0.1637, -5.8478



52.8250, 2.0583, -6.8625



52.8790, 3.5107, -6.0329

# Triad

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



52.8250, 2.0583, -6.8625



54.4780, 1.7363, 3.0888



54.0990, -3.4998, 2.5442

# Complementary

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



52.8250, 2.0583, -6.8625



49.1750, -2.0583, 6.8625

# 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.



53.9360, -2.9264, 5.3181



52.8250, 2.0583, -6.8625



54.9190, -0.4531, 5.3330

# Square

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



52.8250, 2.0583, -6.8625



54.0970, 2.9102, -0.0851



54.8760, -1.9109, 6.2477



53.6040, -2.7628, -0.5297



# Rectangle

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



52.8250, 2.0583, -6.8625



53.5910, 3.6526, -4.9033



54.8760, -1.9109, 6.2477



54.1100, -3.5052, 4.2885

# Sweetspot

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



52.8250, 2.0583, -6.8625



72.8040, 0.5896, -2.4591



52.1580, -3.0359, -6.2776



37.4020, 0.2948, -1.2296



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.



52.8250, 2.0583, -6.8625



67.1450, 3.3795, -10.6512



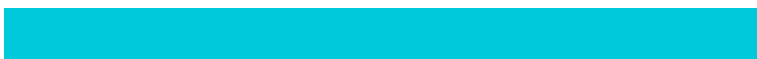
49.3030, 3.7946, -3.7737



27.1030, 0.4422, -1.8443



59.7960, 15.8766, -52.4411



142.9530, 37.4912, -125.3698



# Inverse Universe

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



49.8420, 3.0359, 6.2776



62.6190, 4.6248, 9.9811



52.6970, -3.7946, 3.7737



26.2390, 0.8682, 1.5444



37.0840, 23.1296, 48.1613

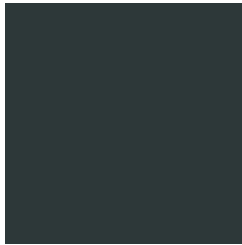


88.3950, 55.5143, 114.5406



# Previews

## White Background



This preview shows how the YUV color 52.8250, 2.0583, -6.8625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

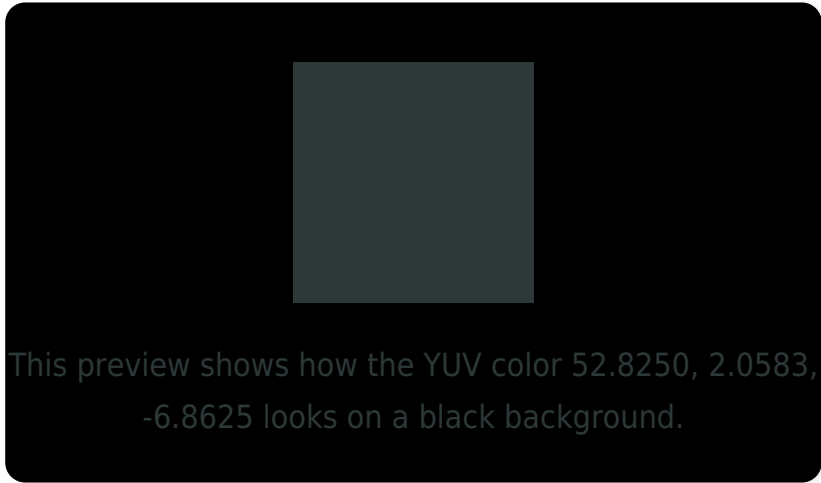
Any Text WCAG AA ✓ Pass

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

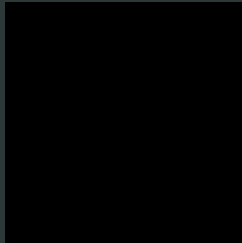
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 52.8250, 2.0583, -6.8625**

## **Background**



This preview shows how black text looks on a background with the YUV color 52.8250, 2.0583, -6.8625.



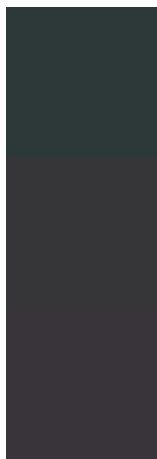
This preview shows how white text looks on a background with the YUV color 52.8250, 2.0583, -6.8625.

-6.8625.

# 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

52.8250, 2.0583, -6.8625

### Protanopia

54.2280, 0.8736, -0.2000

### Deuteranopia

54.1790, 1.8838, 2.4740



## Tritanopia

53.4660, 3.2213, -6.5477

# Trichromacy



## Original Color

52.8250, 2.0583, -6.8625

## Protanomaly

53.9180, 1.0264, -2.5591

## Deuteranomaly

53.5700, 2.1840, -0.4999

## Tritanomaly

53.3520, 2.7845, -6.4477

# Monochromacy



## Original Color

52.8250, 2.0583, -6.8625

## Achromatopsia

53.0000, 0.0000, 0.0000

## Achromatomaly

52.8040, 0.5896, -2.4591

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 52.8250, 2.0583, -6.8625 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(45, 56, 57)` looks like.

```
.text, #text, p{  
    color:rgb(45, 56, 57)  
}
```

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(45, 56, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 56, 57) }
```

## Border

The CSS property to change the border of an element to YUV 52.8250, 2.0583, -6.8625 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(45, 56, 57) }
```



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

```
.border{ border-color:rgb(45, 56, 57) }
```

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

Here you see how a box with a 4 pixel rgb(45, 56, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 56, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 56, 57);  
box-shadow:4px 4px 4px 4px rgb(45, 56, 57)  
}
```

# Background

The CSS property to change the background color of an element to YUV 52.8250, 2.0583, -6.8625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 56, 57) }
```

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

```
.background{ background-color: rgb(45, 56,  
57) }
```

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