

# Converting Colors

YUV(22.8250, 42.4843, 0.1535)

Have a look what the booklet for  
YUV(22.8250, 42.4843, 0.1535)  
contains.

<b>YUV(22.8250, 42.4843, 0.1535)</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(22.8250, 42.4843,  
0.1535)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	17066D
RGB	23, 6, 109
RGB Percent	9%, 2%, 43%
CMY	0.9098, 0.9765, 0.5725
CMYK	0.79, 0.94, 0.00, 0.57
HSL	250°, 90%, 23%
HSV	250°, 94%, 43%
XYZ	3.1788, 1.4165, 14.5739
YIQ	22.8250, -22.9310, 35.6370

# Conversions

## Conversions Part 2

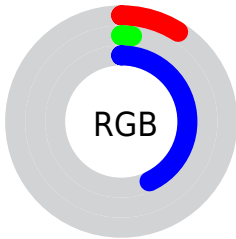
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 6, 109
Decimal	1508973
CIELab	12.07, 40.11, -53.91
CIELCh	12, 67.200, 306.650
Yxy	1.4165, 0.1658, 0.0739
Android (android.graphics.Color)	4279699053 (0xFF17066D)
YUV	22.8250, 42.4843, 0.1535
Hunter-Lab	11.9018, 26.8464, -64.2698

# Details

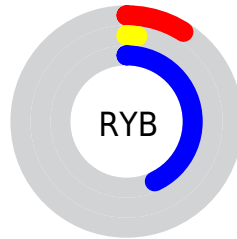
The YUV color **22.8250, 42.4843, 0.1535** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **92.1750, -42.4843, -0.1535**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.2820, 42.7520, 7.6457**, and **7.4270, 25.9185, -6.5135** is the 20% darker color. If you saturate the color by 10%, you get **17.8080, 44.9577, 0.1684**, and if you desaturate by 10%, it is **31.9730, 37.9743, 0.0237**.

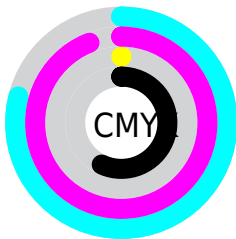
# Distribution



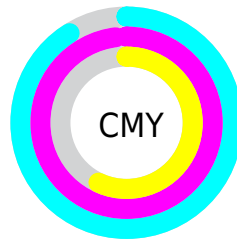
- Red (9%)
- Green (2%)
- Blue (43%)



- Red (9%)
- Yellow (2%)
- Blue (43%)



- Cyan (79%)
- Magenta (94%)
- Yellow (0%)
- Black (57%)



- Cyan (91%)
- Magenta (98%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 22.8250, 42.4843, 0.1535 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 22.8250, 42.4843, 0.1535 by changing the saturation by 10% instead.



■ 22.8250, 42.4843,  
0.1535

■ 22.8250, 42.4843,  
0.1535

■ 245.0210, 4.9196,  
8.7516

■ 9.5760, 36.6910,  
-8.3982

■ 75.2820, 42.7520,  
7.6457

■ 7.4270, 25.9185,  
-6.5135

■ 100.8200, 43.4727,  
9.8049

■ 5.3920, 15.5827,  
-4.7288

■ 126.4720, 44.6303,  
11.8641

■ 2.1830, 5.8258,  
-1.9145

■ 153.4120, 45.6459,  
12.7937

■ 0.0000, 0.0000,  
0.0000

■ 178.3710, 37.7781,  
16.3376

■ 203.4780, 25.4003,

19.7518

■ 227.9980, 13.3120,  
23.6808

■ 22.8250, 42.4843,  
0.1535

■ 22.8250, 42.4843,  
0.1535

■ 17.8080, 44.9577,  
0.1684

■ 31.9730, 37.9743,  
0.0237

■ 41.1210, 33.4643,  
-0.1061

■ 50.2690, 28.9544,  
-0.2359

■ 59.4170, 24.4444,  
-0.3657

■ 68.2770, 20.0764,  
0.6341

■ 77.4250, 15.5665,  
0.5043

■ 86.5730, 11.0565,  
0.3745

■ 95.7210, 6.5465,  
0.2447

■ 104.8690, 2.0366,  
0.1149

# Harmonies

## Analogous

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



36.8980, 44.9133, -32.3595



22.8250, 42.4843, 0.1535



34.5910, 17.4566, 47.7167

# Triad

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



22.8250, 42.4843, 0.1535



25.6150, -12.6282, 37.1716



31.6760, 4.5967, -27.7799

# Complementary

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



22.8250, 42.4843, 0.1535



92.1750, -42.4843, -0.1535

# 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.



26.4150, -13.0226, -23.1660



22.8250, 42.4843, 0.1535



29.2270, -14.4089, 1.5549

# Square

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



22.8250, 42.4843, 0.1535



27.8070, -13.7089, 57.1743



25.2410, -12.4438, -22.1364



38.7950, 24.2581, -34.0232



# Rectangle

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



22.8250, 42.4843, 0.1535



34.9440, 1.9996, 58.8081



25.2410, -12.4438, -22.1364



29.8520, -2.3920, -26.1802

# Sweetspot

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



22.8250, 42.4843, 0.1535



109.3540, 16.5875, -0.3105



69.3980, 19.5238, -55.6000



50.9320, 9.8935, 0.0596



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



22.8250, 42.4843, 0.1535



23.4780, 58.9243, 0.4578



37.7750, 35.1139, 30.8923



48.9830, 2.4734, 0.0149



19.0190, 48.3046, -0.0167



39.8900, 101.1192, 0.0965



# Inverse Universe

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



46.6010, 22.3817, 54.7239



56.3230, 30.8998, 76.0157



77.2250, -35.1139, -30.8923



50.3640, 1.2995, 3.1888



46.1550, 25.5596, 62.1311

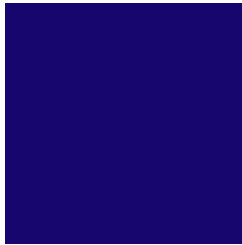


96.5110, 52.9921, 130.2249



# Previews

## White Background



This preview shows how the YUV color 22.8250, 42.4843, 0.1535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

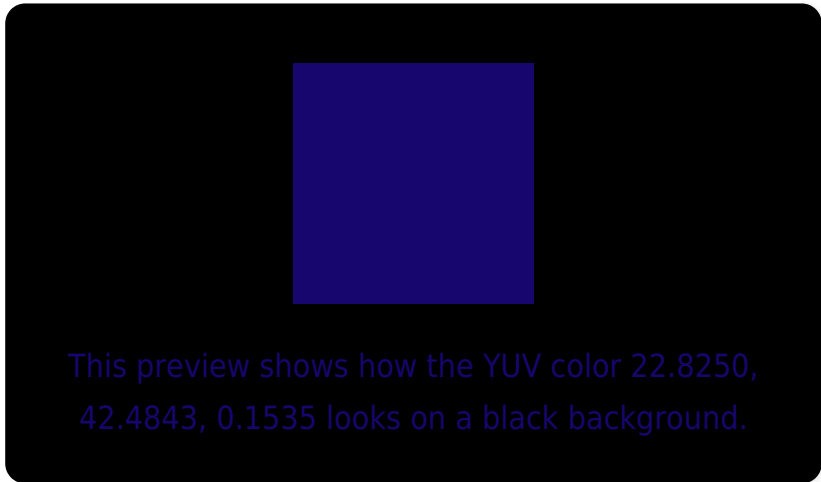
Any Text WCAG AA ✓ Pass

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

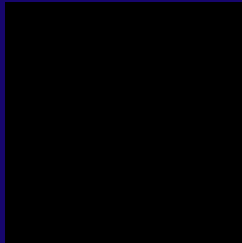
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 22.8250, 42.4843, 0.1535**

## **Background**



This preview shows how black text looks on a background with the YUV color 22.8250, 42.4843, 0.1535.



This preview shows how white text looks on a background with the YUV color 22.8250, 42.4843,



# 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

22.8250, 42.4843, 0.1535

### Protanopia

27.3510, 21.0260, -23.9868

### Deuteranopia

27.9720, 15.7898, -24.5314



## Tritanopia

27.4530, 6.1857, -24.0763

# Trichromacy



## Original Color

22.8250, 42.4843, 0.1535

## Protanomaly

25.4690, 28.8558, -15.3203

## Deuteranomaly

25.9590, 25.6562, -15.7500

## Tritanomaly

25.6510, 19.3991, -15.4799

# Monochromacy



## Original Color

22.8250, 42.4843, 0.1535

## Achromatopsia

23.0000, 0.0000, 0.0000

## Achromatomaly

23.0120, 15.2771, -0.0105

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 22.8250, 42.4843, 0.1535 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(23, 6, 109)` looks like.

```
.text, #text, p{  
    color:rgb(23, 6, 109)  
}
```

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(23, 6, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 6, 109) }
```

## Border

The CSS property to change the border of an element to YUV 22.8250, 42.4843, 0.1535 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(23, 6, 109) }
```



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

```
.border{ border-color:rgb(23, 6, 109) }
```

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

Here you see how a box with a 4 pixel rgb(23, 6, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 6, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 6, 109);  
box-shadow:4px 4px 4px 4px rgb(23, 6, 109)  
}
```

# Background

The CSS property to change the background color of an element to YUV 22.8250, 42.4843, 0.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 6, 109) }
```

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

```
.background{ background-color: rgb(23, 6,  
109) }
```

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