

# Converting Colors

YUV(23.2600, 42.7628, 4.1570)

Have a look what the booklet for  
YUV(23.2600, 42.7628, 4.1570)  
contains.

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# Color

**YUV(23.2600, 42.7628,  
4.1570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1C046E
RGB	28, 4, 110
RGB Percent	11%, 2%, 43%
CMY	0.8902, 0.9843, 0.5686
CMYK	0.75, 0.96, 0.00, 0.57
HSL	254°, 93%, 22%
HSV	254°, 96%, 43%
XYZ	3.3368, 1.4595, 14.8577
YIQ	23.2600, -19.7220, 38.0540

# Conversions

## Conversions Part 2

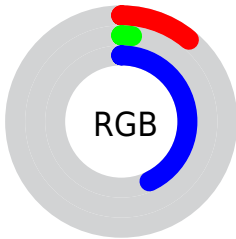
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 4, 110
Decimal	1836142
CIE <sub>Lab</sub>	12.35, 41.53, -54.09
CIE <sub>LCh</sub>	12, 68.193, 307.516
Yxy	1.4595, 0.1698, 0.0743
Android (android.graphics.Color)	4280026222 (0xFF1C046E)
YUV	23.2600, 42.7628, 4.1570
Hunter-Lab	12.0810, 28.1602, -64.4607

# Details

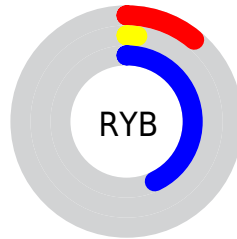
The YUV color **23.2600, 42.7628, 4.1570** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **90.7400, -42.7628, -4.1570**, and the grayscale version is **23.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **76.0050, 42.8885, 10.5196**, and **6.9540, 26.6447, -6.0987** is the 20% darker color. If you saturate the color by 10%, you get **20.0150, 44.3626, 4.3718**, and if you desaturate by 10%, it is **32.4080, 38.2529, 4.0272**.

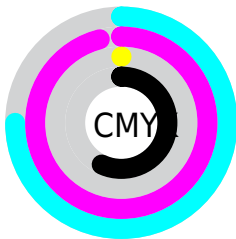
# Distribution



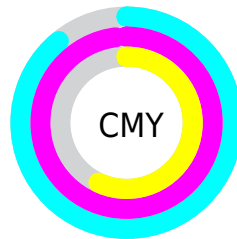
- Red (11%)
- Green (2%)
- Blue (43%)



- Red (11%)
- Yellow (2%)
- Blue (43%)



- Cyan (75%)
- Magenta (96%)
- Yellow (0%)
- Black (57%)



- Cyan (89%)
- Magenta (98%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 23.2600, 42.7628, 4.1570 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 23.2600, 42.7628, 4.1570 by changing the saturation by 10% instead.



■ 23.2600, 42.7628,  
4.1570

■ 23.2600, 42.7628,  
4.1570

■ 245.0210, 4.9196,  
8.7516

■ 9.6900, 37.1278,  
-8.4981

■ 76.0050, 42.8885,  
10.5196

■ 6.9540, 26.6447,  
-6.0987

■ 101.5430, 43.6093,  
12.6788

■ 6.0930, 15.7302,  
-5.3436

■ 127.5970, 45.0617,  
13.5084

■ 2.2970, 6.2626,  
-2.0145


■ 154.7220, 45.4931,  
15.1528


■ 0.0000, 0.0000,  
0.0000


■ 179.2680, 37.3359,  
18.1820


■ 204.0870, 25.1001,


22.7257


 227.9980, 13.3120,  
23.6808


 23.2600, 42.7628,  
4.1570


 23.2600, 42.7628,  
4.1570


 20.0150, 44.3626,  
4.3718

 32.4080, 38.2529,  
4.0272

 41.2570, 33.8903,  
3.2826

 50.4050, 29.3803,  
3.1528

 59.2540, 25.0178,  
2.4082

 68.4020, 20.5078,  
2.2784

■ 77.2510, 16.1453,  
1.5339

■ 86.3990, 11.6353,  
1.4041

■ 95.2480, 7.2727,  
0.6595

■ 104.3960, 2.7628,  
0.5297

# Harmonies

## Analogous

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



37.2400, 46.2237, -32.6595



23.2600, 42.7628, 4.1570



35.0750, 16.7250, 49.0462

# Triad

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



23.2600, 42.7628, 4.1570



26.7890, -13.2070, 36.1420



32.6050, 5.6177, -28.5946

# Complementary

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



23.2600, 42.7628, 4.1570



90.7400, -42.7628, -4.1570

# 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.



27.0020, -13.3120, -23.6808



23.2600, 42.7628, 4.1570



29.8140, -14.6983, 1.0401

# Square

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



23.2600, 42.7628, 4.1570



28.1060, -13.8563, 57.7890



25.2410, -12.4438, -22.1364



39.6100, 24.8423, -34.7380



# Rectangle

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



23.2600, 42.7628, 4.1570



35.5420, 1.7048, 60.0377



25.2410, -12.4438, -22.1364



30.6670, -1.8078, -26.8950

# Sweetspot

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



23.2600, 42.7628, 4.1570



108.7780, 16.8714, 1.9487



64.8050, 22.2811, -53.3260



50.6440, 10.0355, 1.1892



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.



23.2600, 42.7628, 4.1570



25.8700, 57.7451, 5.3760



38.8080, 35.0977, 36.1254



51.2820, 2.3260, 0.6297



21.7530, 48.4358, 4.6016



44.9020, 99.6343, 9.7329



# Inverse Universe

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



45.0420, 20.1923, 56.9682



55.2970, 26.9686, 76.9155



75.1920, -35.0977, -36.1254



52.3640, 1.2995, 3.1888



46.4820, 22.9334, 64.4753

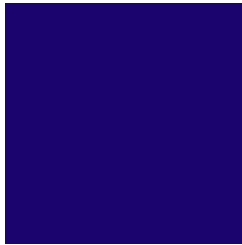


95.6270, 47.0189, 132.7541



# Previews

## White Background



This preview shows how the YUV color 23.2600, 42.7628, 4.1570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

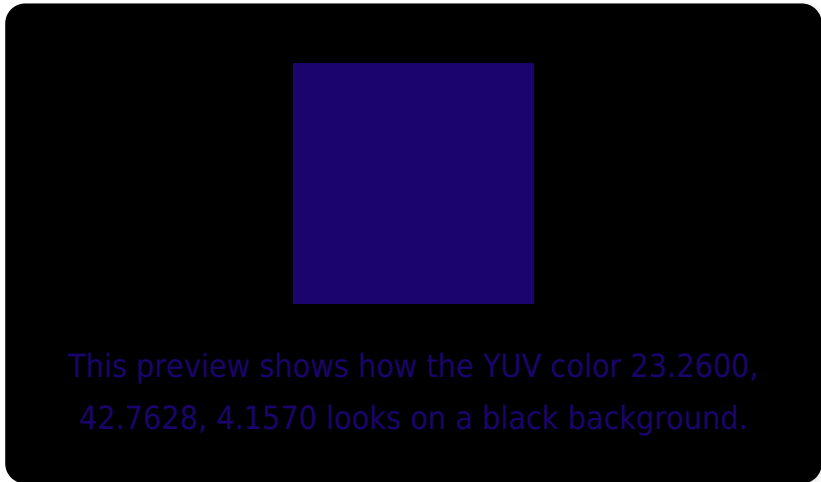
Any Text WCAG AA ✓ Pass

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

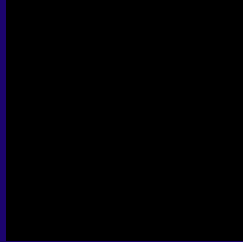
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 23.2600, 42.7628, 4.1570**

## **Background**



This preview shows how black text looks on a background with the YUV color 23.2600, 42.7628, 4.1570.



This preview shows how white text looks on a background with the YUV color 23.2600, 42.7628,



# 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

23.2600, 42.7628, 4.1570

### Protanopia

28.1660, 21.6102, -24.7016

### Deuteranopia

28.6730, 15.9372, -25.1462



## Tritanopia

28.2680, 6.7699, -24.7910

# Trichromacy



## Original Color

23.2600, 42.7628, 4.1570

## Protanomaly

26.2950, 29.4346, -14.2907

## Deuteranomaly

26.6710, 25.7982, -14.6205

## Tritanomaly

26.4770, 19.9778, -14.4503

# Monochromacy



## Original Color

23.2600, 42.7628, 4.1570

## Achromatopsia

23.0000, 0.0000, 0.0000

## Achromatomaly

23.1370, 15.7085, 1.6339

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 23.2600, 42.7628, 4.1570 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(28, 4, 110)` looks like.

```
.text, #text, p{  
    color:rgb(28, 4, 110)  
}
```

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(28, 4, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 4, 110) }
```

## Border

The CSS property to change the border of an element to YUV 23.2600, 42.7628, 4.1570 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(28, 4, 110) }
```



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

```
.border{ border-color:rgb(28, 4, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 4, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 4, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 4, 110);  
box-shadow:4px 4px 4px 4px rgb(28, 4, 110)  
}
```

# Background

The CSS property to change the background color of an element to YUV 23.2600, 42.7628, 4.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 4, 110) }
```

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

```
.background{ background-color: rgb(28, 4,  
110) }
```

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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