

# Converting Colors

YUV(22.3120, 47.1742,  
-10.7976)

Have a look what the booklet for  
YUV(22.3120, 47.1742, -10.7976)  
contains.

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# Color

**YUV(22.3120, 47.1742,  
-10.7976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0A0A76
RGB	10, 10, 118
RGB Percent	4%, 4%, 46%
CMY	0.9608, 0.9608, 0.5373
CMYK	0.92, 0.92, 0.00, 0.54
HSL	240°, 84%, 25%
HSV	240°, 92%, 46%
XYZ	3.5037, 1.5896, 17.2617
YIQ	22.3120, -34.6680, 33.5880

# Conversions

## Conversions Part 2

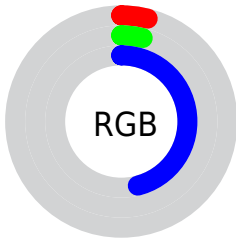
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	10, 10, 118
Decimal	658038
CIE <sub>Lab</sub>	13.17, 40.69, -57.96
CIE <sub>LCh</sub>	13, 70.812, 305.069
Yxy	1.5896, 0.1567, 0.0711
Android (android.graphics.Color)	4278848118 (0xFF0A0A76)
YUV	22.3120, 47.1742, -10.7976
Hunter-Lab	12.6080, 27.5407, -72.3487

# Details

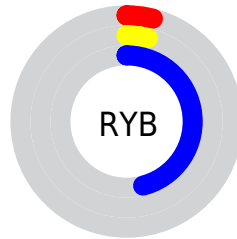
The YUV color **22.3120, 47.1742, -10.7976** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **105.6880, -47.1742, 10.7976**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **77.1720, 46.2572, 3.3572**, and **7.7520, 29.7023, -6.7985** is the 20% darker color. If you saturate the color by 10%, you get **13.4520, 51.5422, -11.7974**, and if you desaturate by 10%, it is **32.9440, 41.9326, -9.5979**.

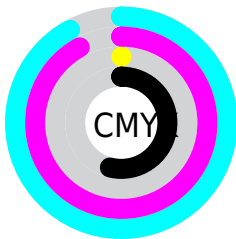
# Distribution



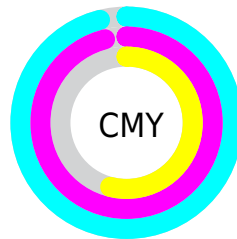
- Red (4%)
- Green (4%)
- Blue (46%)



- Red (4%)
- Yellow (4%)
- Blue (46%)



- Cyan (92%)
- Magenta (92%)
- Yellow (0%)
- Black (54%)



- Cyan (96%)
- Magenta (96%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 22.3120, 47.1742, -10.7976 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 22.3120, 47.1742, -10.7976 by changing the saturation by 10% instead.



■ 22.3120, 47.1742,  
-10.7976

■ 22.3120, 47.1742,  
-10.7976

■ 246.7820, 4.0515,  
7.2072

■ 10.6020, 40.6222,  
-9.2980

■ 77.1720, 46.2572,  
3.3572

■ 7.7520, 29.7023,  
-6.7985

■ 103.1230, 47.2674,  
6.0311

■ 6.8910, 18.7877,  
-6.0434

■ 128.8890, 48.8617,  
7.9903

■ 3.2090, 9.7570,  
-2.8143

■ 155.9000, 48.8563,  
9.7347

■ 0.0000, 0.0000,  
0.0000

■ 180.4200, 36.7679,  
13.6637

■ 204.9400, 24.6796,

17.5926

■ 230.3460, 12.1544,  
21.6216

■ 22.3120, 47.1742,  
-10.7976

■ 22.3120, 47.1742,  
-10.7976

■ 13.4520, 51.5422,  
-11.7974

■ 32.9440, 41.9326,  
-9.5979

■ 43.5760, 36.6910,  
-8.3982

■ 53.3220, 31.8863,  
-7.2984

■ 63.9540, 26.6447,  
-6.0987

■ 74.5860, 21.4031,  
-4.8989

■ 85.2180, 16.1615,  
-3.6992

■ 95.8500, 10.9200,  
-2.4994

■ 105.5960, 6.1152,  
-1.3997

■ 116.2280, 0.8736,  
-0.2000

# Harmonies

## Analogous

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



40.2720, 47.6869, -35.3185



22.3120, 47.1742, -10.7976



36.5850, 19.9246, 49.4760

# Triad

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



22.3120, 47.1742, -10.7976



26.2350, -12.9339, 41.8899



33.5510, 4.1654, -29.4242

# Complementary

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



22.3120, 47.1742, -10.7976



105.6880, -47.1742, 10.7976

# 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.



28.1760, -13.8908, -24.7104



22.3120, 47.1742, -10.7976



31.8960, -15.7247, 3.5992

# Square

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



22.3120, 47.1742, -10.7976



29.9000, -14.7407, 61.4777



26.4150, -13.0226, -23.1660



40.8980, 24.7003, -35.8675



# Rectangle

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



22.3120, 47.1742, -10.7976



37.4220, 3.7360, 61.8969



26.4150, -13.0226, -23.1660



31.4990, -3.6970, -27.6246

# Sweetspot

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



22.3120, 47.1742, -10.7976



116.6740, 17.9087, -4.0991



85.7080, 15.9200, -66.3959



54.8500, 10.9200, -2.4994



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



22.3120, 47.1742, -10.7976



17.4420, 66.8301, -15.2966



38.4580, 39.2142, 22.4003



53.6840, 2.6208, -0.5999



13.9080, 53.2894, -12.1973



28.5000, 109.1995, -24.9945



# Inverse Universe

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



54.6040, 31.2542, 55.5983



63.1890, 44.2768, 78.7642



89.5420, -39.2142, -22.4003



55.4780, 1.7363, 3.0888



50.3860, 35.3057, 62.8055

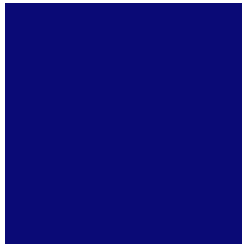


103.2500, 72.3478, 128.6997



# Previews

## White Background



This preview shows how the YUV color 22.3120, 47.1742, -10.7976 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



This preview shows how the YUV color 22.3120, 47.1742, -10.7976 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

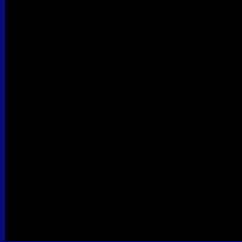
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 22.3120, 47.1742, -10.7976

## Background



This preview shows how black text looks on a background with the YUV color 22.3120, 47.1742, -10.7976.



This preview shows how white text looks on a background with the YUV color 22.3120, 47.1742,



# 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

22.3120, 47.1742, -10.7976

### Protanopia

28.9810, 22.1944, -25.4163

### Deuteranopia

29.4880, 16.5214, -25.8610



## Tritanopia

28.9690, 6.9173, -25.4058

# Trichromacy



## Original Color

22.3120, 47.1742, -10.7976

## Protanomaly

26.7180, 31.1980, -19.9237

## Deuteranomaly

27.0940, 27.5617, -20.2534

## Tritanomaly

26.7860, 21.3045, -19.9833

# Monochromacy



## Original Color

22.3120, 47.1742, -10.7976

## Achromatopsia

22.0000, 0.0000, 0.0000

## Achromatomaly

22.4460, 17.0351, -3.8991

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 22.3120, 47.1742, -10.7976 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(10, 10, 118)` looks like.

```
.text, #text, p{  
    color:rgb(10, 10, 118)  
}
```

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(10, 10, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 10, 118) }
```

## Border

The CSS property to change the border of an element to YUV 22.3120, 47.1742, -10.7976 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(10, 10, 118) }
```



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

```
.border{ border-color:rgb(10, 10, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 10, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 10, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 10, 118);  
box-shadow:4px 4px 4px 4px rgb(10, 10,  
118) }
```

# Background

The CSS property to change the background color of an element to YUV 22.3120, 47.1742, -10.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 10, 118) }
```

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

```
.background{ background-color: rgb(10, 10,  
118) }
```

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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