

# Converting Colors

YUV(19.1010, 13.7542, 21.8364)

Have a look what the booklet for  
YUV(19.1010, 13.7542, 21.8364)  
contains.

<b>YUV(19.1010, 13.7542, 21.8364)</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(19.1010, 13.7542,  
21.8364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C012F
RGB	44, 1, 47
RGB Percent	17%, 0%, 18%
CMY	0.8275, 0.9961, 0.8157
CMYK	0.06, 0.98, 0.00, 0.82
HSL	296°, 96%, 9%
HSV	296°, 98%, 18%
XYZ	1.5627, 0.7624, 2.7541
YIQ	19.1010, 10.8620, 23.4220

# Conversions

## Conversions Part 2

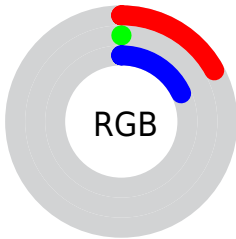
Format	Color
<a href="#">RYB</a>	<a href="#">44, 1, 47</a>
Decimal	<a href="#">2883887</a>
CIELab	<a href="#">6.89, 28.49, -19.25</a>
CIELCh	<a href="#">7, 34.382, 325.954</a>
Yxy	<a href="#">0.7624, 0.3077, 0.1501</a>
Android (android.graphics.Color)	<a href="#">4281073967 (0xFF2C012F)</a>
YUV	<a href="#">19.1010, 13.7542, 21.8364</a>
Hunter-Lab	<a href="#">8.7316, 16.6647, -12.5890</a>

# Details

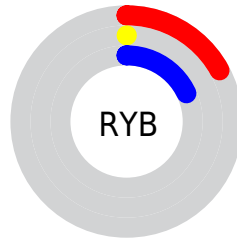
The YUV color **19.1010, 13.7542, 21.8364** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28.8990, -13.7542, -21.8364**, and the grayscale version is **19.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **65.1120, 13.7488, 23.5808**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.5140, 14.0436, 22.3512**, and if you desaturate by 10%, it is **22.0360, 12.3073, 19.2624**.

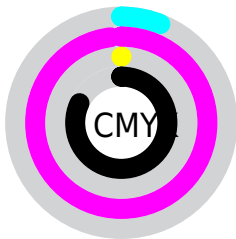
# Distribution



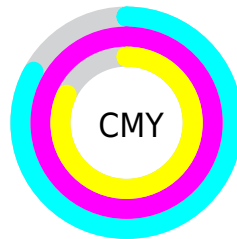
- Red (17%)
- Green (0%)
- Blue (18%)



- Red (17%)
- Yellow (0%)
- Blue (18%)



- Cyan (6%)
- Magenta (98%)
- Yellow (0%)
- Black (82%)



- Cyan (83%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 19.1010, 13.7542, 21.8364 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 19.1010, 13.7542, 21.8364 by changing the saturation by 10% instead.



■ 19.1010, 13.7542,  
21.8364

■ 19.1010, 13.7542,  
21.8364

■ 239.1510, 7.8136,  
13.8996

■ 8.9440, 8.4086,  
9.6961

■ 65.1120, 13.7488,  
23.5808

■ 0.0000, 0.0000,  
0.0000

■ 89.5250, 14.0382,  
24.0956


■ 114.3510, 14.6170,  
25.1252


■ 140.0630, 14.7589,  
26.2547


■ 167.4760, 15.0483,  
26.7695


■ 194.3020, 15.6271,


27.7991


 222.7150, 15.9165,  
28.3139


 19.1010, 13.7542,  
21.8364


 19.1010, 13.7542,  
21.8364


 18.5140, 14.0436,  
22.3512

 22.0360, 12.3073,  
19.2624

 24.6830, 11.0023,  
17.8180

 27.6180, 9.5553,  
15.2440

 30.5530, 8.1084,  
12.6700

 33.2000, 6.8034,  
11.2256

■ 36.1350, 5.3564,  
8.6516

■ 39.0700, 3.9095,  
6.0776

■ 42.0050, 2.4625,  
3.5036

■ 44.6520, 1.1576,  
2.0592

# Harmonies

## Analogous

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



18.0580, 22.1564, -13.2059



19.1010, 13.7542, 21.8364



19.8930, 2.5178, 32.5428

# Triad

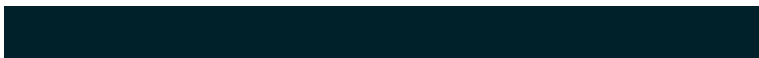
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.1010, 13.7542, 21.8364



20.4220, -10.0680, 9.2769



24.0450, 8.3588, -21.0875

# Complementary

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



19.1010, 13.7542, 21.8364



28.8990, -13.7542, -21.8364

# 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.



20.7220, -1.8349, -18.1732



19.1010, 13.7542, 21.8364



15.8490, -7.8136, -13.8996

# Square

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



19.1010, 13.7542, 21.8364



18.1620, -8.9539, 25.2909



18.1970, -8.9711, -15.9588



24.9230, 16.8000, -21.8575



# Rectangle

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



19.1010, 13.7542, 21.8364



18.0970, -6.9498, 35.8719



18.1970, -8.9711, -15.9588



23.1330, 4.8644, -20.2876

# Sweetspot

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



19.1010, 13.7542, 21.8364



50.1350, 5.3564, 8.6516



8.0050, 19.2245, -6.1434



24.2440, 3.3307, 5.0480



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000



# Same Dimension

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



19.1010, 13.7542, 21.8364



23.9970, 18.2425, 28.9436



17.7180, 4.5760, 25.6803



21.8260, 0.5788, 1.0296



34.1370, 26.0615, 41.0989



84.1960, 63.9934, 101.5601



# Inverse Universe

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



15.0960, -5.4703, 27.9798



18.6950, -7.2446, 37.1015



30.2820, -4.5760, -25.6803



21.5980, -0.2948, 1.2296



26.6970, -10.2036, 52.8857

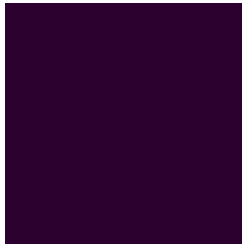


65.5820, -25.4299, 130.1626



# Previews

## White Background



This preview shows how the YUV color 19.1010, 13.7542, 21.8364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

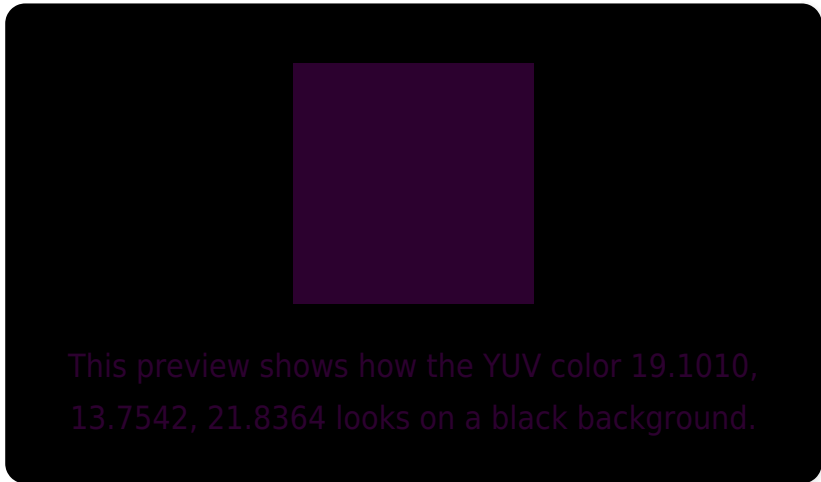
Any Text WCAG AA ✓ Pass

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

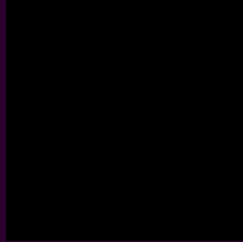
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 19.1010, 13.7542, 21.8364

## Background



This preview shows how black text looks on a background with the YUV color 19.1010, 13.7542, 21.8364.



This preview shows how white text looks on a background with the YUV color 19.1010, 13.7542,



# 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

19.1010, 13.7542, 21.8364

### Protanopia

20.6030, 15.4787, -18.0688

### Deuteranopia

23.5670, 10.0735, -11.0213



## Tritanopia

25.1050, -2.5168, 13.9399

# Trichromacy



## Original Color

19.1010, 13.7542, 21.8364

## Protanomaly

19.8760, 14.8511, -3.3993

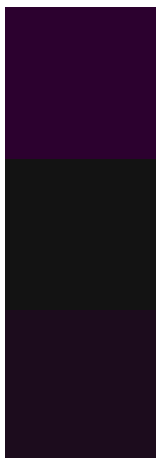
## Deuteranomaly

21.9860, 11.3459, 0.8893

## Tritanomaly

23.0220, 3.4402, 16.6437

# Monochromacy



## Original Color

19.1010, 13.7542, 21.8364

## Achromatopsia

19.0000, 0.0000, 0.0000

## Achromatomaly

18.7220, 5.0671, 8.1368

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 19.1010, 13.7542, 21.8364 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(44, 1, 47)` looks like.

```
.text, #text, p{  
    color:rgb(44, 1, 47)  
}
```

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(44, 1, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 1, 47) }
```

## Border

The CSS property to change the border of an element to YUV 19.1010, 13.7542, 21.8364 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(44, 1, 47) }
```



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

```
.border{ border-color:rgb(44, 1, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 1, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 1, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(44, 1, 47); box-shadow:4px  
4px 4px 4px rgb(44, 1, 47) }
```

# Background

The CSS property to change the background color of an element to YUV 19.1010, 13.7542, 21.8364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 1, 47) }
```

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

```
.background{ background-color: rgb(44, 1,  
47) }
```

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