

Converting Colors

YUV(23.7370, 2.1017, -20.8173)

Have a look what the booklet for
YUV(23.7370, 2.1017, -20.8173)
contains.

YUV(23.7370, 2.1017, -20.8173)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(23.7370, 2.1017,
-20.8173)**

Conversions

Conversions Part 1

Format	Color
Hex	00231C
RGB	0, 35, 28
RGB Percent	0%, 14%, 11%
CMY	1.0000, 0.8627, 0.8902
CMYK	1.00, 0.00, 0.20, 0.86
HSL	168°, 100%, 7%
HSV	168°, 100%, 14%
XYZ	0.8106, 1.2859, 1.3041
YIQ	23.7370, -18.6130, -9.5970

Conversions

Conversions Part 2

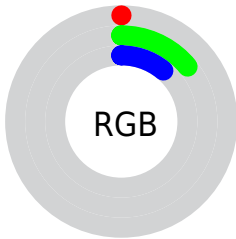
Format	Color
RYB	0, 19, 35
Decimal	8988
CIELab	11.18, -14.97, 1.10
CIELCh	11, 15.008, 175.809
Yxy	1.2859, 0.2384, 0.3781
Android (android.graphics.Color)	4278199068 (0xFF00231C)
YUV	23.7370, 2.1017, -20.8173
Hunter-Lab	11.3398, -7.0844, 1.1194

Details

The YUV color **23.7370, 2.1017, -20.8173** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11.2630, -2.1017, 20.8173**, and the grayscale version is **24.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **68.5090, 1.2281, -20.6174**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **23.7370, 2.1017, -20.8173**, and if you desaturate by 10%, it is **24.7480, 2.0962, -19.0730**.

Distribution



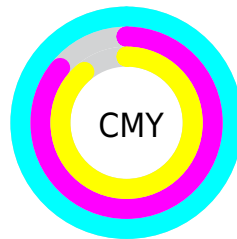
- Red (0%)
- Green (14%)
- Blue (11%)



- Red (0%)
- Yellow (7%)
- Blue (14%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (86%)



- Cyan (100%)
- Magenta (86%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YUV color 23.7370, 2.1017, -20.8173 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 23.7370, 2.1017, -20.8173 by changing the saturation by 10% instead.

■ 23.7370, 2.1017,
-20.8173

■ 23.7370, 2.1017,
-20.8173

■ 246.6280, 4.1274,
-17.2138

■ 4.8100, -1.8783,
-4.2184

■ 68.5090, 1.2281,
-20.6174

■ 0.0000, 0.0000,
0.0000

■ 92.5090, 1.2281,
-20.6174


■ 117.2100, 1.3755,
-21.2322


■ 142.7970, 1.0861,
-21.7470

■ 169.4980, 1.2335,
-22.3617

■ 197.0850, 0.9441,

-22.8765

 224.7860, 1.0915,
-23.4913


 23.7370, 2.1017,
-20.8173

 24.7480, 2.0962,
-19.0730

 25.9440, 1.5066,
-16.6139

 27.2540, 1.3538,
-14.2548

 28.2650, 1.3484,
-12.5104

 29.5750, 1.1955,
-10.1513

■ 30.4720, 0.7533,
-8.3069

■ 31.7820, 0.6005,
-5.9478

■ 32.7930, 0.5951,
-4.2035

■ 33.9890, 0.0054,
-1.7444

Harmonies

Analogous

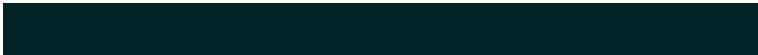
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.4950, -4.1880, -10.0811



23.7370, 2.1017, -20.8173



24.8770, 6.4696, -21.8171

Triad

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



23.7370, 2.1017, -20.8173



30.2800, 8.7360, -1.9996



29.3840, -9.0633, 13.6952

Complementary

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



23.7370, 2.1017, -20.8173



11.2630, -2.1017, 20.8173

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.



29.9590, -4.4168, 16.6990



23.7370, 2.1017, -20.8173



31.0210, 4.9196, 8.7516

Square

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



23.7370, 2.1017, -20.8173



26.5880, 11.5421, -15.4247



30.3270, 0.8248, 15.4992



28.8410, -12.2466, 8.0324

Rectangle

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



23.7370, 2.1017, -20.8173



24.9740, 9.3798, -21.9022



30.3270, 0.8248, 15.4992



29.7370, -7.7583, 15.1397

Sweetspot

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



23.7370, 2.1017, -20.8173



41.4720, 0.7533, -8.3069



22.6380, -11.1605, -13.7145



20.3800, 0.3057, -4.7183



150.0000, 0.0000, 0.0000



23.0000, 0.0000, 0.0000

Same Dimension

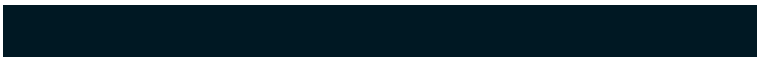
The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7370, 2.1017, -20.8173



31.2200, 2.8495, -27.3799



18.0780, 8.3425, -15.8544



17.2880, -0.1420, -1.1296



55.5440, 4.6618, -48.7121



141.7210, 12.4625, -124.2893

Inverse Universe

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



11.2630, -2.1017, 20.8173



14.7800, -2.8495, 27.3799



16.9220, -8.3425, 15.8544



16.5980, -0.2948, 1.2296



26.3420, -5.0986, 48.8121



67.2790, -12.4625, 124.2893

Previews

White Background



This preview shows how the YUV color 23.7370, 2.1017, -20.8173 looks on a white background.

Color Contrast Check

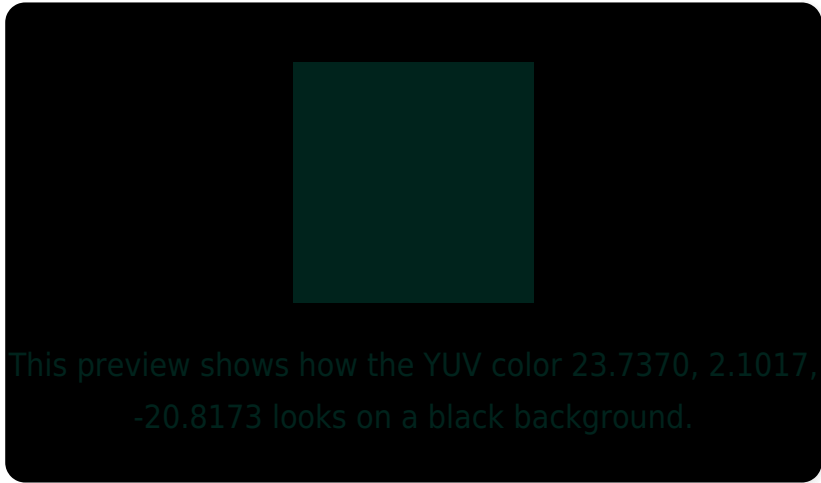
Large Text (above 18pt) WCAG AA ✓ Pass

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

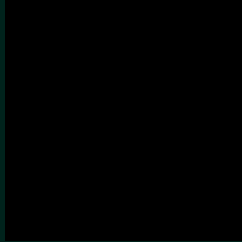
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 23.7370, 2.1017, -20.8173

Background



This preview shows how black text looks on a background with the YUV color 23.7370, 2.1017, -20.8173.



This preview shows how white text looks on a background with the YUV color 23.7370, 2.1017, -20.8173.

-20.8173.

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

23.7370, 2.1017, -20.8173

Protanopia

30.7290, -2.3314, 1.1147

Deuteranopia

31.0820, -1.0264, 2.5591



Tritanopia

27.4650, 4.7008, -14.4398

Trichromacy



Original Color

23.7370, 2.1017, -20.8173

Protanomaly

27.8420, -0.4151, -6.8774

Deuteranomaly

28.6680, 0.1637, -5.8478

Tritanomaly

25.9270, 3.9800, -16.5990

Monochromacy



Original Color

23.7370, 2.1017, -20.8173

Achromatopsia

24.0000, 0.0000, 0.0000

Achromatomaly

23.7710, 0.6059, -7.6922

CSS Examples

Text

The CSS property to change the color of the text to YUV 23.7370, 2.1017, -20.8173 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(0, 35, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 35, 28)  
}
```

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(0, 35, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 35, 28) }
```

Border

The CSS property to change the border of an element to YUV 23.7370, 2.1017, -20.8173 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(0, 35, 28) }
```


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

```
.border{ border-color:rgb(0, 35, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 35, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 35, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 35, 28); box-shadow:4px  
4px 4px 4px rgb(0, 35, 28) }
```

Background

The CSS property to change the background color of an element to YUV 23.7370, 2.1017, -20.8173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 35, 28) }
```

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

```
.background{ background-color: rgb(0, 35,  
28) }
```

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