

Converting Colors

YUV(48.8020, 0.0976, -31.3984)

Have a look what the booklet for
YUV(48.8020, 0.0976, -31.3984)
contains.

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Color

**YUV(48.8020, 0.0976,
-31.3984)**

Conversions

Conversions Part 1

Format	Color
Hex	0D4331
RGB	13, 67, 49
RGB Percent	5%, 26%, 19%
CMY	0.9490, 0.7373, 0.8078
CMYK	0.81, 0.00, 0.27, 0.74
HSL	160°, 68%, 16%
HSV	160°, 81%, 26%
XYZ	2.7275, 4.3216, 3.5961
YIQ	48.8020, -26.4060, -17.0460

Conversions

Conversions Part 2

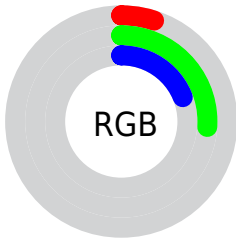
Format	Color
R_{YB}	13, 45, 67
Decimal	869169
CIE Lab	24.71, -22.39, 6.02
CIE LCh	25, 23.180, 164.955
Yxy	4.3216, 0.2562, 0.4060
Android (android.graphics.Color)	4279059249 (0xFF0D4331)
YUV	48.8020, 0.0976, -31.3984
Hunter-Lab	20.7885, -12.9602, 4.2956

Details

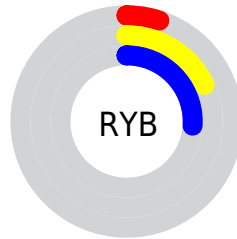
The YUV color **48.8020, 0.0976, -31.3984** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **31.1980, -0.0976, 31.3984**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **98.3570, -1.6550, -29.2541**, and **14.9030, -6.3612, -13.0699** is the 20% darker color. If you saturate the color by 10%, you get **46.4810, 0.2559, -35.5018**, and if you desaturate by 10%, it is **51.1230, -0.0606, -27.2949**.

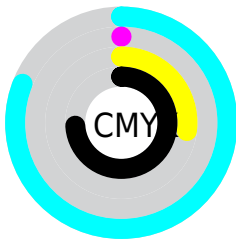
Distribution



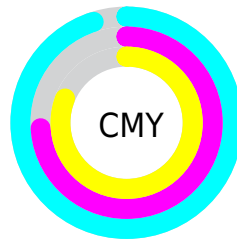
- Red (5%)
- Green (26%)
- Blue (19%)



- Red (5%)
- Yellow (18%)
- Blue (26%)



- Cyan (81%)
- Magenta (0%)
- Yellow (27%)
- Black (74%)



- Cyan (95%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YUV color 48.8020, 0.0976, -31.3984 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 48.8020, 0.0976, -31.3984 by changing the saturation by 10% instead.

■ 48.8020, 0.0976,
-31.3984

■ 48.8020, 0.0976,
-31.3984

■ 254.4020, 0.2948,
-1.2296

■ 29.0200, -0.5029,
-25.4505

■ 98.3570, -1.6550,
-29.2541

■ 14.9030, -6.3612,
-13.0699

■ 123.3570, -1.6550,
-29.2541

■ 0.0000, 0.0000,
0.0000

■ 149.6450, -1.7970,
-30.3837

■ 176.2320, -2.0864,
-30.8985

■ 203.8190, -2.3758,
-31.4133

■ 232.4060, -2.6652,

-31.9281

■ 246.0300, 4.4222,
-18.4433

■ 48.8020, 0.0976,
-31.3984

■ 48.8020, 0.0976,
-31.3984

■ 46.4810, 0.2559,
-35.5018

■ 51.1230, -0.0606,
-27.2949

■ 44.4590, 0.2667,
-38.9905

■ 53.1450, -0.0715,
-23.8062

■ 55.5800, 0.2071,
-19.8027

■ 57.9010, 0.0488,
-15.6992

■ 60.2220, -0.1094,
-11.5957

■ 62.2440, -0.1203,
-8.1070

■ 64.6790, 0.1583,
-4.1035

■ 67.0000, 0.0000,
0.0000

■ 69.0220, -0.0108,
3.4887

Harmonies

Analogous

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



54.1760, -10.4398, -11.5554



48.8020, 0.0976, -31.3984



47.5540, 9.5869, -41.7049

Triad

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



48.8020, 0.0976, -31.3984



57.7010, 16.9094, -10.2618



58.4780, -11.5747, 25.8908

Complementary

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



48.8020, 0.0976, -31.3984



31.1980, -0.0976, 31.3984

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.



59.1500, -4.0179, 28.8095



48.8020, 0.0976, -31.3984



60.6280, 11.0294, 9.0962

Square

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



48.8020, 0.0976, -31.3984



47.4690, 21.9538, -41.6303



60.1800, 3.8553, 23.5211



58.1580, -16.3469, 16.5244

Rectangle

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



48.8020, 0.0976, -31.3984



48.2210, 14.6810, -42.2898



60.1800, 3.8553, 23.5211



59.0590, -9.3961, 27.1353

Sweetspot

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



48.8020, 0.0976, -31.3984



79.9230, 0.0380, -12.2105



50.0800, -18.2804, -16.7332



38.9560, 0.0217, -6.9774



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000

Same Dimension

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



48.8020, 0.0976, -31.3984



58.6920, 0.1518, -48.8419



45.5710, 10.5645, -28.5648



31.9890, 0.0054, -1.7444



64.3490, 0.3209, -56.4341



148.5880, 0.6961, -130.3117

Inverse Universe

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



31.1980, -0.0976, 31.3984



31.3080, -0.1518, 48.8419



34.4290, -10.5645, 28.5648



31.0110, -0.0054, 1.7444



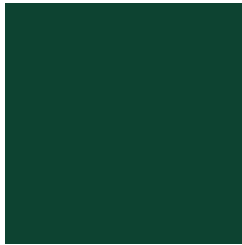
32.6510, -0.3209, 56.4341



75.5260, -0.2593, 130.2117

Previews

White Background



This preview shows how the YUV color 48.8020, 0.0976, -31.3984 looks on a white background.

Color Contrast Check

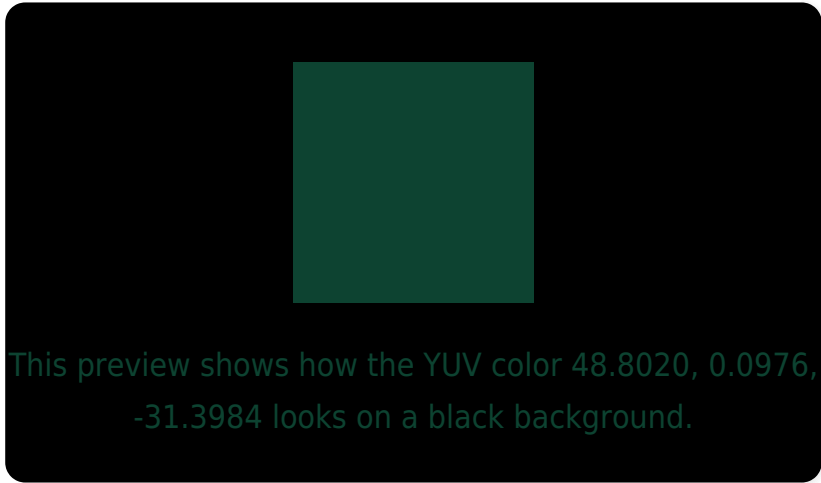
Large Text (above 18pt) WCAG AA ✓ Pass

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

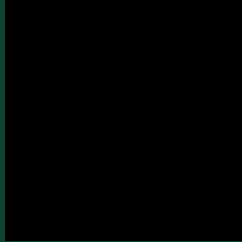
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 48.8020, 0.0976, -31.3984

Background



This preview shows how black text looks on a background with the YUV color 48.8020, 0.0976, -31.3984.



This preview shows how white text looks on a background with the YUV color 48.8020, 0.0976, -31.3984.

-31.3984.

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

48.8020, 0.0976, -31.3984

Protanopia

58.6000, -6.7048, 3.8588

Deuteranopia

59.3060, -4.0949, 6.7476



Tritanopia

53.0230, 8.3697, -24.5762

Trichromacy



Original Color

48.8020, 0.0976, -31.3984

Protanomaly

55.0930, -4.4828, -8.8516

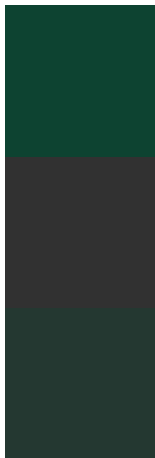
Deuteranomaly

55.5600, -2.7411, -7.5071

Tritanomaly

51.5020, 5.1755, -26.7503

Monochromacy



Original Color

48.8020, 0.0976, -31.3984

Achromatopsia

49.0000, 0.0000, 0.0000

Achromatomaly

49.2220, -0.1094, -11.5957

CSS Examples

Text

The CSS property to change the color of the text to YUV 48.8020, 0.0976, -31.3984 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(13, 67, 49)` looks like.

```
.text, #text, p{  
    color:rgb(13, 67, 49)  
}
```

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(13, 67, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 67, 49) }
```

Border

The CSS property to change the border of an element to YUV 48.8020, 0.0976, -31.3984 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(13, 67, 49) }
```


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

```
.border{ border-color:rgb(13, 67, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 67, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 67, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 67, 49);  
box-shadow:4px 4px 4px 4px rgb(13, 67, 49)  
}
```

Background

The CSS property to change the background color of an element to YUV 48.8020, 0.0976, -31.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 67, 49) }
```

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

```
.background{ background-color: rgb(13, 67,  
49) }
```

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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