

Converting Colors

YUV(31.9840, -12.3171,
30.7090)

Have a look what the booklet for
YUV(31.9840, -12.3171, 30.7090)
contains.

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Color

**YUV(31.9840, -12.3171,
30.7090)**

Conversions

Conversions Part 1

Format	Color
Hex	431307
RGB	67, 19, 7
RGB Percent	26%, 7%, 3%
CMY	0.7373, 0.9255, 0.9725
CMYK	0.00, 0.72, 0.90, 0.74
HSL	12°, 81%, 15%
HSV	12°, 90%, 26%
XYZ	2.5860, 1.6744, 0.3879
YIQ	31.9840, 32.4600, 6.4440

Conversions

Conversions Part 2

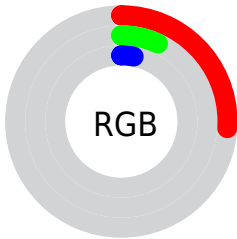
Format	Color
RYB	67, 22, 7
Decimal	4395783
CIELab	13.68, 22.47, 18.03
CIELCh	14, 28.809, 38.749
Yxy	1.6744, 0.5563, 0.3602
Android (android.graphics.Color)	4282585863 (0xFF431307)
YUV	31.9840, -12.3171, 30.7090
Hunter-Lab	12.9398, 13.0279, 7.2805

Details

The YUV color **31.9840, -12.3171, 30.7090** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **42.0160, 12.3171, -30.7090**, and the grayscale version is **32.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **79.0770, -13.3490, 35.0125**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **28.2510, -13.9277, 33.9829**, and if you desaturate by 10%, it is **35.7170, -10.7065, 27.4352**.

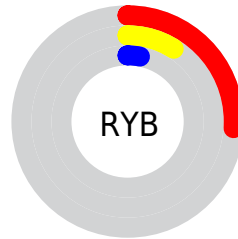
Distribution



Red (26%)

Green (7%)

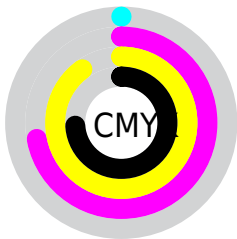
Blue (3%)



Red (26%)

Yellow (9%)

Blue (3%)

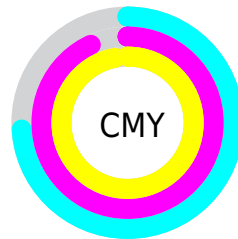


Cyan (0%)

Magenta (72%)

Yellow (90%)

Black (74%)



Cyan (74%)

Magenta (93%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the YUV color 31.9840, -12.3171, 30.7090 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 31.9840, -12.3171, 30.7090 by changing the saturation by 10% instead.

■ 31.9840, -12.3171,
30.7090

■ 31.9840, -12.3171,
30.7090

■ 248.7420, -8.7468,
5.4883

■ 12.8570, -6.3385,
26.4354

■ 79.0770, -13.3490,
35.0125

■ 0.0000, 0.0000,
0.0000

■ 103.7460,
-14.6648, 37.0568

■ 129.5290,
-15.5438, 39.0011


■ 156.0130,
-16.2754, 40.3306


■ 182.9100,
-16.7176, 42.1749


■ 209.0130,


-16.2754, 40.3306


 228.5270,
-12.5848, 23.2168


 31.9840, -12.3171,
30.7090


 31.9840, -12.3171,
30.7090


 28.2510, -13.9277,
33.9829


 35.7170, -10.7065,
27.4352

 27.6640, -13.6384,
34.4977

 39.9230, -9.8220,
23.7465

 43.6560, -8.2114,
20.4727

 47.3890, -6.6008,
17.1988

 51.7090, -5.2795,
13.4102

■ 55.3280, -4.1057,
10.2363

■ 59.6480, -2.7845,
6.4477

■ 63.3810, -1.1738,
3.1739

■ 67.0000, 0.0000,
0.0000

Harmonies

Analogous

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



31.3940, -0.6872, 33.8575



31.9840, -12.3171, 30.7090



33.1800, -16.3577, 20.0131

Triad

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



31.9840, -12.3171, 30.7090



27.4070, -4.1447, -24.0359



29.0950, 22.6312, -25.5163

Complementary

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



31.9840, -12.3171, 30.7090



42.0160, 12.3171, -30.7090

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.



32.2750, 19.5844, -28.3052



31.9840, -12.3171, 30.7090



30.3880, 4.7387, -26.6503

Square

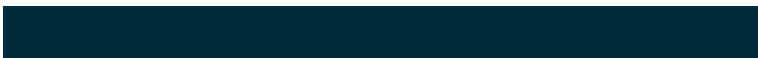
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.9840, -12.3171, 30.7090



29.1610, -14.3764, -8.9112



32.0810, 13.7641, -28.1350



36.3440, 15.1134, 5.8373

Rectangle

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



31.9840, -12.3171, 30.7090



33.4130, -16.4726, 10.1618



32.0810, 13.7641, -28.1350



30.8560, 21.7630, -27.0607

Sweetspot

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



31.9840, -12.3171, 30.7090



73.1110, -4.9847, 12.1807



30.4120, 12.1219, 32.0877



34.9470, -2.9319, 7.0625



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.



31.9840, -12.3171, 30.7090



35.9920, -17.7441, 44.7340



49.5940, -20.9988, 15.2651



30.8970, -0.4422, 1.8443



40.1560, -19.7969, 49.8522



93.3910, -46.0418, 114.5441

Inverse Universe

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



42.0160, 12.3171, -30.7090



50.4210, 18.0334, -44.2192



24.4060, 20.9988, -15.2651



31.5160, 0.7316, -1.3295



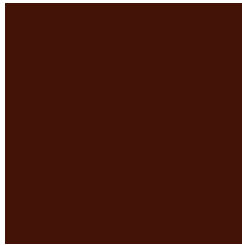
56.8440, 19.7969, -49.8522



131.1960, 45.7524, -115.0589

Previews

White Background



This preview shows how the YUV color 31.9840, -12.3171, 30.7090 looks on a white background.

Color Contrast Check

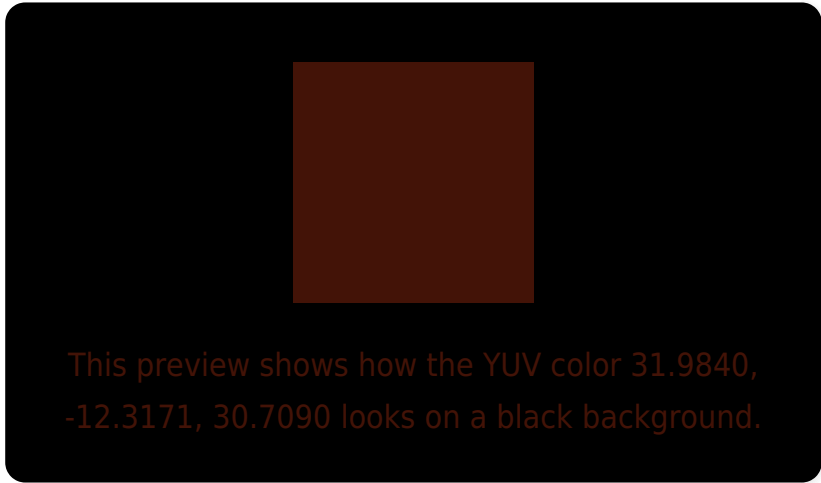
Large Text (above 18pt) WCAG AA ✓ Pass

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

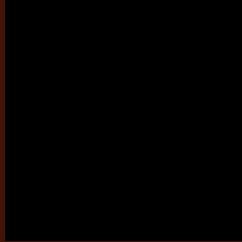
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 31.9840, -12.3171, 30.7090

Background



This preview shows how black text looks on a background with the YUV color 31.9840, -12.3171, 30.7090.

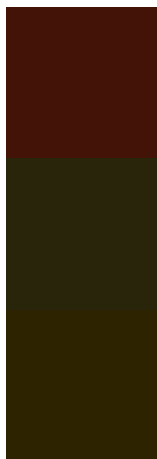


This preview shows how white text looks on a background with the YUV color 31.9840, -12.3171,

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

31.9840, -12.3171, 30.7090

Protanopia

35.2320, -11.9464, 5.0585

Deuteranopia

34.2990, -16.9094, 10.2618



Tritanopia

32.7650, -6.7861, 30.0241

Trichromacy



Original Color

31.9840, -12.3171, 30.7090

Protanomaly

33.7000, -11.6841, 14.2951

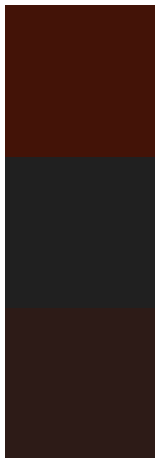
Deuteranomaly

33.5110, -15.0419, 17.9689

Tritanomaly

32.3090, -8.5333, 30.4240

Monochromacy



Original Color

31.9840, -12.3171, 30.7090

Achromatopsia

32.0000, 0.0000, 0.0000

Achromatomaly

31.9260, -4.4005, 11.4659

CSS Examples

Text

The CSS property to change the color of the text to YUV 31.9840, -12.3171, 30.7090 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(67, 19, 7)` looks like.

```
.text, #text, p{  
    color:rgb(67, 19, 7)  
}
```

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(67, 19, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 19, 7) }
```

Border

The CSS property to change the border of an element to YUV 31.9840, -12.3171, 30.7090 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(67, 19, 7) }
```


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

```
.border{ border-color:rgb(67, 19, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 19, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 19, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(67, 19, 7); box-shadow:4px  
4px 4px 4px rgb(67, 19, 7) }
```

Background

The CSS property to change the background color of an element to YUV 31.9840, -12.3171, 30.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 19, 7) }
```

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

```
.background{ background-color: rgb(67, 19,  
7) }
```

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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