

Converting Colors

YUV(31.8770, -6.8414, 0.9849)

Have a look what the booklet for
YUV(31.8770, -6.8414, 0.9849)
contains.

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Color

**YUV(31.8770, -6.8414,
0.9849)**

Conversions

Conversions Part 1

Format	Color
Hex	212212
RGB	33, 34, 18
RGB Percent	13%, 13%, 7%
CMY	0.8706, 0.8667, 0.9294
CMYK	0.03, 0.00, 0.47, 0.87
HSL	64°, 31%, 10%
HSV	64°, 47%, 13%
XYZ	1.3084, 1.5111, 0.7950
YIQ	31.8770, 4.5400, -5.1880

Conversions

Conversions Part 2

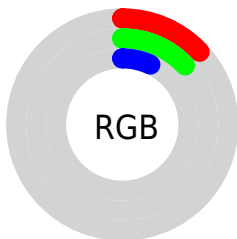
Format	Color
RYB	18, 34, 19
Decimal	2171410
CIELab	12.68, -3.78, 10.49
CIElCh	13, 11.149, 109.826
Yxy	1.5111, 0.3620, 0.4181
Android (android.graphics.Color)	4280361490 (0xFF212212)
YUV	31.8770, -6.8414, 0.9849
Hunter-Lab	12.2925, -2.5125, 4.7704

Details

The YUV color **31.8770, -6.8414, 0.9849** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20.1230, 6.8414, -0.9849**, and the grayscale version is **32.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.6490, -7.7150, 1.1848**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **31.5350, -8.1518, 1.2848**, and if you desaturate by 10%, it is **32.2190, -5.5310, 0.6849**.

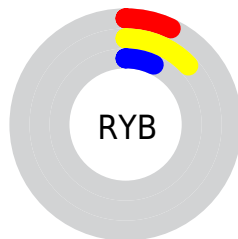
Distribution



Red (13%)

Green (13%)

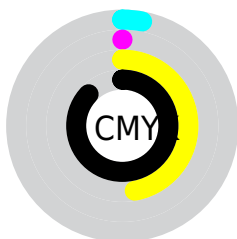
Blue (7%)



Red (7%)

Yellow (13%)

Blue (7%)

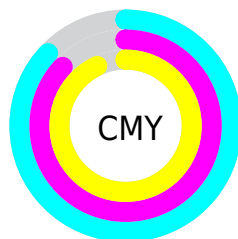


Cyan (3%)

Magenta (0%)

Yellow (47%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YUV color 31.8770, -6.8414, 0.9849 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 31.8770, -6.8414, 0.9849 by changing the saturation by 10% instead.

■ 31.8770, -6.8414,
0.9849

■ 31.8770, -6.8414,
0.9849

■ 253.5180, -5.6784,
1.2997

■ 8.5390, -4.2097,
-3.1037

■ 75.6490, -7.7150,
1.1848

■ 0.0000, 0.0000,
0.0000

■ 99.5350, -8.1518,
1.2848

■ 124.8340, -8.2992,
1.8996

■ 150.7200, -8.7360,
1.9996

■ 177.3070, -9.0254,
1.4848

■ 204.6060, -9.1728,

2.0995

■ 232.6060, -9.1728,
2.0995

■ 31.8770, -6.8414,
0.9849

■ 31.8770, -6.8414,
0.9849

■ 31.5350, -8.1518,
1.2848

■ 32.2190, -5.5310,
0.6849

■ 31.0790, -9.8989,
1.6847

■ 32.6750, -3.7838,
0.2850

■ 30.4380, -11.0619,
1.3699

■ 33.3160, -2.6208,
0.5999

■ 29.9820, -12.8091,
1.7698

■ 33.7720, -0.8736,
0.2000

■ 29.6400, -14.1195,
2.0697

■ 34.1140, 0.4368,
-0.1000

■ 29.5260, -14.5563,
2.1697

■ 34.4560, 1.7472,
-0.3999

■ 34.9120, 3.4944,
-0.7998

■ 35.5530, 4.6574,
-0.4850

■ 36.0090, 6.4046,
-0.8849

Harmonies

Analogous

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



32.3940, -7.5892, 7.5475



31.8770, -6.8414, 0.9849



30.9300, -3.9095, -6.0776

Triad

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



31.8770, -6.8414, 0.9849



28.5400, 7.6218, -18.0136



33.7070, 1.1304, 10.7810

Complementary

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



31.8770, -6.8414, 0.9849



20.1230, 6.8414, -0.9849

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.



33.8850, 4.4937, 5.3629



31.8770, -6.8414, 0.9849



30.8120, 8.4737, -11.2361

Square

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



31.8770, -6.8414, 0.9849



28.1440, 4.8590, -18.5433



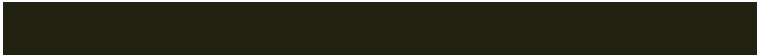
33.1120, 6.8468, -2.7292



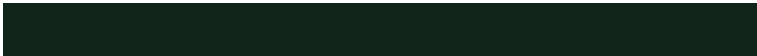
33.3930, -2.6587, 12.8103

Rectangle

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



31.8770, -6.8414, 0.9849



30.1790, -1.5672, -10.6810



33.1120, 6.8468, -2.7292



34.2230, 1.8621, 9.4514

Sweetspot

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



31.8770, -6.8414, 0.9849



42.3160, -2.6208, 0.5999



23.3710, -2.6479, 9.3216



22.5440, -1.7472, 0.3999



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.



31.8770, -6.8414, 0.9849



39.9650, -10.3357, 1.7847



29.4850, -5.6621, -3.9333



17.7720, -0.8736, 0.2000



71.1570, -35.0804, 5.1243



181.2870, -89.3745, 12.9033

Inverse Universe

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



20.1230, 6.8414, -0.9849



22.3340, 10.1883, -1.1699



22.5150, 5.6621, 3.9333



16.2280, 0.8736, -0.2000



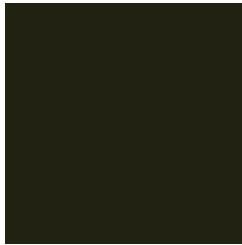
10.8430, 35.0804, -5.1243



27.7130, 89.3745, -12.9033

Previews

White Background



This preview shows how the YUV color 31.8770, -6.8414, 0.9849 looks on a white background.

Color Contrast Check

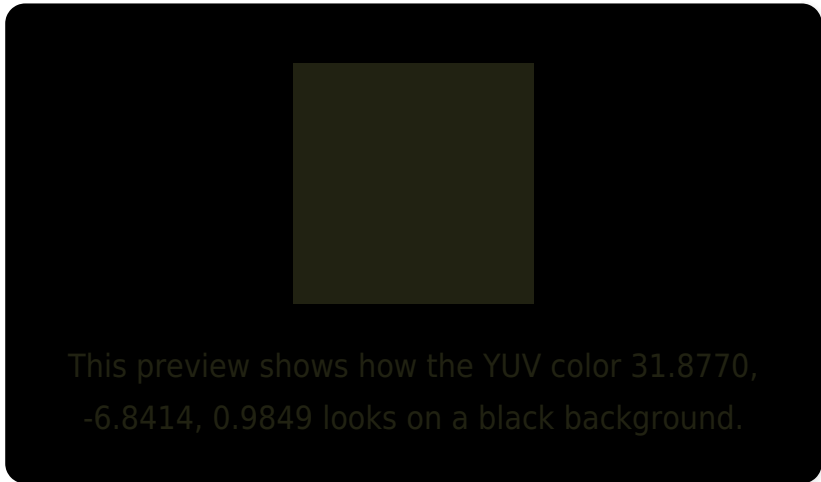
Large Text (above 18pt) WCAG AA ✓ Pass

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

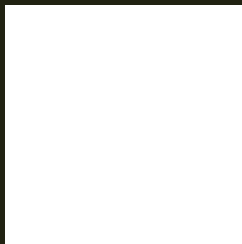
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 31.8770, -6.8414, 0.9849

Background



This preview shows how black text looks on a background with the YUV color 31.8770, -6.8414, 0.9849.



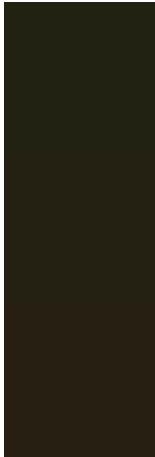
This preview shows how white text looks on a background with the YUV color 31.8770, -6.8414,

0.9849.

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

31.8770, -6.8414, 0.9849

Protanopia

32.1870, -6.9942, 3.3440

Deuteranopia

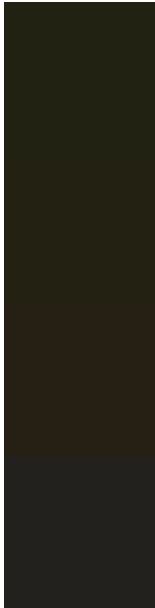
32.3230, -6.5682, 6.7327



Tritanopia

33.2390, 0.8682, 1.5444

Trichromacy



Original Color

31.8770, -6.8414, 0.9849

Protanomaly

31.8880, -6.8468, 2.7292

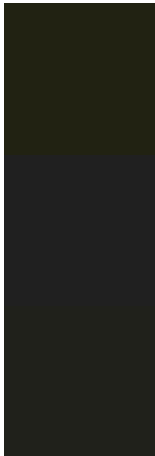
Deuteranomaly

32.0130, -6.4154, 4.3736

Tritanomaly

32.8430, -1.8946, 1.0147

Monochromacy



Original Color

31.8770, -6.8414, 0.9849

Achromatopsia

32.0000, 0.0000, 0.0000

Achromatomaly

32.0170, -2.4734, -0.0149

CSS Examples

Text

The CSS property to change the color of the text to YUV 31.8770, -6.8414, 0.9849 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(33, 34, 18)` looks like.

```
.text, #text, p{  
    color:rgb(33, 34, 18)  
}
```

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(33, 34, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 34, 18) }
```

Border

The CSS property to change the border of an element to YUV 31.8770, -6.8414, 0.9849 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(33, 34, 18) }
```


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

```
.border{ border-color:rgb(33, 34, 18) }
```

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

Here you see how a box with a 4 pixel rgb(33, 34, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 34, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 34, 18);  
box-shadow:4px 4px 4px 4px rgb(33, 34, 18)  
}
```

Background

The CSS property to change the background color of an element to YUV 31.8770, -6.8414, 0.9849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 34, 18) }
```

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

```
.background{ background-color: rgb(33, 34,  
18) }
```

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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